$\frac{1}{2} \frac{1}{2} \frac{1}$ P22226 bos tautus P54230 ovis aries O202173 arabidopsis O20173 arabidopsis O70119 anopheles g O50200 oryza sativ O41464 gibberella O416615 homo sapien O81544 oryza sativ O74aj6 geobacter s O4053 arabidopsis O41711 gibberella O5072 bradyrhizob O40711 tetraodon n O2001 arabidopsis O4071 arabidopsis O4071 arabidopsis O4071 arabidopsis O4071 arabidopsis O4071 arabidopsis O4071 arabidopsis O5070 arabidopsis O2001 arabidopsis O2001 arabidopsis O4071 arabidopsis bifidobacte rhodopseudo candida alb candida alb Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. ; Search time 237 Seconds (without alignments) 35.723 Million cell updates/sec Description Q8cy53 Q6n7r8 Q59x76 Q59xc4 GenCore version 5.1.7 Copyright (c) 1993 - 2006 Biocceleration Ltd Total number of hits satisfying chosen parameters: 2166443 seqs, 705528306 residues BCTN1_BOVIN BCTN1_SHEEP 09C5J0_ARATH 022173_ARATH 070119_ANOCA 052817_0RYSA 041464_GIBZE 040400_THEAN 06KC15_HUMAN 08L54_0RYSA 074836_TUSTMA 04P36_BCSL 04P36_BCSL 04P36_BCSL 04P36_BCSL 04F31_BTEN 08C5M89_KUUTA 08C5M89_KUUTA 08C5M89_KUUTA 08CSL2_BTEN 06CSL2_BTEN 08CSL2_BTEN 06CSL2_BTEN 08CSL2_BTEN 08CSL2_BTEN 06CSL2_BTEN 08CSL2_BTEN 06CSL2_BTEN 06CSL2_B BIFLO KLULA BRAJA TETNG ARATH 9MICC NOCFA 9TRYP CAEEL CAEEL LEIMA LEIMA CAEEL SUMMARIES Post-processing: Minimum Match 0% Maximum Match 100% Listing first 100 summaries 2006, 11:04:56 using sw model BLOSUM62 Gapop 10.0 , Gapext 0.5 Q9U1S8 Q4NE13 **09NA53** UniProt_05.80:*
1: uniprot_sprot:*
2: uniprot_trembl:* Minimum DB seq length: 0 Maximum DB seq length: 200000000 1 RLCRIVVIRVCR 12 US-10-657-851-37 Query Match Length DB protein search, February 15, Title: Perfect score: Scoring table: Score OM protein Sequence: Searched: Database е :: Result g Run

mycobacteri tetraodon n plasmodium caenorhabdi caenorhabdi bacillus ce drosophila bacteroides anabaena sp tetraodon n bradyrhizob drosophila drosophila giardia lam bacteroides caenorhabdi dictyosteli saccharomyc drosophila candida gla oryza sativ anopheles g homo sapien homo sapien homo sapien theileria a homo sapien mus musculu tetraodon n tetraodon n human herpe human herpe aeropyrum p anopheles g bdellovibri neisseria m oryza sativ homo sapien tetraodon n lycopersico oryza sativ aspergillus plasmodium caulobacter oryza sativ oryza sativ brachydanio brachydanio brachydanio streptomyce bacteroides burkholderi streptococc homo sapien brachydanio oryza sativ plasmodium toxoplasma leishmania plasmodium mimivirus. drosophila 041gi4 077gc6 089gy2 096dgy3 096dkx3 066kx3 066kx3 065x70 045y48 055x8 0449Y58 0449Y58 0449Y58 094135 094135 094135 09v5b0 07f803 0805b9 081938 0845q4 06fxg3 05ze18 07pvf3 09jtf0 06z410 05t5r6 04sye4 04k623 08bhx6 04ruy6 Q7rs70 Q8srf8 Q8i428 04yrn6 019522 060mn8 0731n5 061m51 096x85 064875 064875 08dwc3 08dwc3 09yes5 05t7k5 05sns9 Q5tts3 Q6mpu8 Q8a835 Q8yrf6 Q4s813 Q7xqn0 Q4ufc4 Q9bu21 Q8SRF8_ENCCU Q81428_PLAF7 Q41621_PLAF7 Q7RQC6_PLAF0 Q99DY2_BRAJA Q89DY2_BRAJA Q80D9_DROME G6DS3_TOXGO G653R0_ORYSA Q457M1_LENA Q457M1_LENA Q457M1_LENA Q457M1_LENA Q450A0_PLACE Q450A0 Q450A0 Q450A0 Q450A0 Q450A0 Q4 0731NS_BACC1 061MS1_DROME 09EX49_STRCO 064S75_BACFR 04LIU4_9BURK 08DWC3_STRMU 05T7M2_HUMAN TNR18_HUMAN 0778584 GIALA QSLGSS BACPN QSUUDO CABEL QSLGSS GORYSA QSLGSS CORYSA QSTZQE DICDI EPT1 YEAST QSVSBO DROWE QOYSBO DROWE QOYSBO DROWE QSVSBO GRAFE QGSSBO BRARE QSAYP3 BRARE 090504 9RETR 06FXG3 CANGA 05ELB ORYSA 07FVF3 ANOGA 05PNE3 DROME 049PNE PLABE 049FNE PLABE 040522 CAREL 060MN8 CAEBR 0517K5_HUMAN 055N29_BRARE 055N29_BRARE 06MPUB_BDBBA 084835_BACTN 087RF6_ANASP 0458L3_TPETNG 0750N0_CRYSA 04UPC4_THEAN 09BUZ1_HUMAN 09JTF0_NBIMA 065T5R6_HUMAN 045T5R6_HUMAN QSU014 HUMAN NFI_AERPE Q4RUY6_T Q4SM47_T

ALIGNMENTS

By similarity.

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NCBI_TaxID=9940;
                                                                                                                                                                                                                                                                                                                                                                                                           rissum=Liver;
                                                                                                                                                                  ECTN1 SHEEP
P54230;
DISULFID
DISULFID
VARIANT
                              SEQUENCE
                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PROPEP
PEPTIDE
MOD RES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         removed
                                                                                                                                                                                                                                                                                                                                                                                                                                                     genes."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SIGNAL
                                                                       Matches
                                                                                                                                              RESULT 2
                                                                                                                                                         BCTN1
                                                                                                              g
                                                                                                                                                                    This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
                                                                                                                                                                                                                                                                                                                                                                                                        Romeo D., Skerlavaj B., Bolognesi M., Gennaro R.; "Structure and bactericidal activity of an antibiotic dodecapeptide purified from bovine neutrophils."; ", " Biol. Chem. 263:9573-9578(1988).
                                                                                                                                                                            TISSUE=Bone marrow;
MEDLINE=93093170; PubMed=1459251; DOI=10.1016/0014-5793(92)80971-1;
                                                                                                  Bos taurus (Bovine).
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Laurasiatheria, Cetartiodactyla, Ruminantia,
Pecora, Bovidae, Bovinae, Bos.
                                                                                                                                                                                               Storici P., del Sal G., Schneider C., Zanetti M., "CDNA sequence analysis of an antibiotic dodecapeptide from
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cyclic dodecapeptide.
Pyrrolidone carboxylic acid.
By similarity.
                                                                                                                                                                                                                                                             TISSUE=Liver;
Scocchi M., Wang S., Zanetti M.;
Submitted (DEC-1996) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PANTHER, PTHRIO206; Cathelicidin; 1.
Pfam; PF00666; Cathelicidin; 1.
Probom; PD001838; Cathelicidin; 1.
PROSITE; PS00946; CATHELICIDINS 1; 1.
PROSITE; PS00947; CATHELICIDINS 2; 1.
Antibictic; Antimicrobial; Direct protein sequencing; Pyrrolidone carboxylic acid; Signal.
SIGNAL 1 29 Potential.
PROPEP 30 143 Cyclic dodecapeptide.
MOD RES 144 155 Cyclic dodecapeptide.
MOD RES 96 By similarity.
                                                 01-AUG-1991 (Rel. 19, Created)
01-6CT-1993 (Rel. 27, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
Cyclic dodecapeptide precursor (Bactenecin 1) (Bacl).
                               155 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EMBL; L08834; AAA50615.1; -; mRNA.
EMBL; Y09472; CAA70617.1; -; Genomic_DNA.
PIR; S27018; S27018.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          HSSP; P32196; 1KWI.
SMR; P22226; 30-130.
InterPro; IPR001894; Cathelicidin.
                                                                                                                                                                                                                                                                                                                                                                                      CHARACTERIZATION.
MEDLINE=96300243; PubMed=8706679;
                                                                                                                                                                                                                                                                                                                TISSUE=Neutrophil;
MEDLINE=88257074; PubMed=3290210;
                                                                                                                                                                                                                                FEBS Lett. 314:187-190(1992)
                                                                                                                                                                                                                                                                                                      PROTEIN SEQUENCE OF 144-155.
                               STANDARD;
                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE
                                                                                                                                            NCBI_TaxID=9913;
                                                                                                                                                                                                                       neutrophils.";
                               BOVIN
                                                                                          Name=BAC1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         removed
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the Buropean Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDIINE=89121317; PubMed=9461419; DOI=10.1016/S0378-1119(97)00569-6; Huttner K.M., Lambeth M.R., Burkin H.R., Broad T.E.; Lambeth M.R., Broadization and genomic organization of sheep antimicrobial peptides
                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TISSUE=Bone marrow;
MEDLINE=96105386; PubMed=7498547; DOI=10.1016/0014-5793(95)01285-3;
MEDLINE=96105386; PubMed=7498547; DOI=10.1016/0014-5793(95)01285-3;
MEDILINE=9610536; M., Zanetti M.;
"CDNA sequences of three sheep myeloid cathelicidins.";
FEBS Lett. 376:225-228(1995).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL; L46853; AAA85469.1; -; mRNA.

R EMBL; U60595; AAB49710.1; -; Genomic_DNA.

R EMBL; U60595; AAB49711.1; -; Genomic_DNA.

R EMSP; 921.96; LKWI.

R P54230; 30-130.

R INCEPRO; LPR001894; Cathelicidin.

R PANTHER; PTHR10206; Cathelicidins; 1.

R PRODOM; PD001898; Cathelicidins; 1.

R PROSITE; PS00946; CATHELICIDINS_1; 1.

R PROSITE; PS00947; CATHELICIDINS_2; 1.

R Antibiotic; Antimicrobial; Pyrrolidone carboxylic acid; Signal.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ovis aries (Sheep).
Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Laurasiatheria; Cetartiodactyla; Ruminantia;
Pecora; Bovidae; Caprinae; Ovis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gene 206:85-91(1998).
-!- FUNCTION: Potent microbicidal activity, active against
-!- Staphylococcus aureus and Escherichia coli (By similarity).
-!- SIMILARITY: Belongs to the cathelicidin family.
                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Potential.
By similarity.
Cyclic dodecapeptide.
Pyrrolidone carboxylic acid (By
                                                                                                                                                   Score 62; DB 1; Length 155; Pred. No. 0.003;
                                                                                                                                                                                                                     0; Indels
                                                           Q -> R.
008CD7DC6CB91BF9 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-OCT-1996 (Rel. 34, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
Cyclic dodecapeptide precursor (Bactenecin 1) (Bac1).
                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        similarity)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE [GENOMIC DNA].
                                                                                        17600 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-OCT-1996 (Rel. 34, Created)
                                                                                                                                                      100.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=BAC1A; Synonyms=DODEA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Name=BAC1B; Synonyms=DODEB;
                                                                                                                                                                                                                                                                                                                                              144 RLCRIVVIRVCR 155
                                                                                                                                                                                                                     12; Conservative
                                                                                                                                                                                                                                                                                   1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STANDARD;
124
154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NUCLEOTIDE SEQUENCE.
                                                                                        155 AA;
                                                                                                                                                                                    Local Similarity
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Matches

8 셤

8777

RESULT 3

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Yamada K., Liu S.X., Sakano H., Pham P.K., Banh J., Etgu P., Lee J.M., Toriumi M., Yu G., Brooks S., Chao Q., Chen H., Karlin-Neumann G., Kim C., Lam B., Miranda M., Nguyen M., Palm C.J., Shinn P., Southwick A., Davis R.W., Ecker J.R., Theologis A.; Submitted (FEB-2002) to the EMBL/GenBank/DbBJ databases.

EMBL; AC002391; AAB87097.1; -; Genomic_DNA.

EMBL; AX050889; AAK92796.1; -; mRNA.

EMBL; AX079389; AAL85120.1; -; mRNA.

HSSP; P11940; 1CVJ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Yamada K., Liu S.X., Sakano H., Pham P.K., Banh J., Chung M.K., Goldsmith A.D., Lee J.M., Quach H.L., Toriumi M., Yu G., Bowser L., Carninci P., Chen H., Cheuk R., Hayashizaki Y., Ishida J., Jones T., Kamiya A., Kazlin-Neumann G., Kawai J., Kim C., Lam B., Lin J., Miranda M., Narusaka M., Nguyen M., Palm C.J., Sakurai T., Satou M., Seki M., Shinn P., Southwick A., Shinozaki K., Davis R.W., Ecker J.R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Anopheles gambiae str. PEST.
Eukaryota, Metazoa, Arthropoda, Hexapoda, Insecta, Pterygota,
Neoptera, Endopterygota, Diptera, Nematocera, Culicoidea, Culicidae,
           Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GO; GO:000166; F:nucleotide binding; IEA.
GO; GO:0003723; F:RNA binding; IEA.
InterPro; IPR01267; a b plait nuc_bd.
InterPro; IPR005515; PABP_1234.
InterPro; IPR00504; PABP_HYD.
InterPro; IPR00504; PNNI_RNA_bd.
Pfam; PF00658; PABP; 1.
Pfam; PF00076; RRM 1; 4.
SMART; SM00517; PolyA; 1.
ITGREAMS; ITGR01628; PABP-1234; 1.
                                                                                                                                                                NUCLEOTIDE SEQUENCE.
Rounsley S.D., Lin X., Ketchum K.A., Crosby M.L., Brandon R.C.
Sykes S.M., Kaul S., Mason T.M., Kerlavage A.R., Adams M.D.,
Somerville C.R., Venter J.C.;
Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2; Length 662;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
                                                                                                                                                                                                                                                                                                                                                                     Town C.D., Kaul S.;
Submitted (FEB-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Theologis A.;
Submitted (AUG-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 662 AA; 71653 MW; 448481E183DF339E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 QTQL19.
QTQL19.
QTQL19.
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QTGL19.
QTGL19
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54.5%; Pred. No. 49;
cive 4; Mismatches
        thaliana (Mouse-ear cress)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PROSITE; PS50102; RRM; 4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity 54.9
Les 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 LCRIVVIRVCR 12
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                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
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Q7QL19_
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ENBL, AP360217, AAK25927.1, -; mRNA.
                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta, Spermatophyta, Magnoliophyta, eudicotyledons, core eudicotyledons, rosids, eurosids II, Brassicales, Brassicaceae, Arabidopsis.
                                                                                                                                                                                                     ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GO; GO:0000166; F:nucleotide binding; IEA.
GO; GO:0003723; F:RNA binding; IEA.
GO; GO:000398; P:nuclear mRNA splicing, via spliceosome; IEA.
InterPro; IPR012677; a b plait nuc bd.
InterPro; IPR006515; PABP 1234.
InterPro; IPR002004; PABP HYD.
InterPro; IPR005004; RNFI_RNA_bd.
                                                                                                                                              Length 155;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 662;
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                                                                                    1690638C791B1736 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        71639 MW; 448481E18204439E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JUN-2001 (TrEMBLrel. 17, Created)
01-JUN-2001 (TrEMBLrel. 17, Last sequence update)
01-JUN-2004 (TrEMBLrel. 26, Last annotation update)
Putative poly(A) binding protein.
Name=At2g23350;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-JAN-1998 (TrEMBLrel. 05, Created)
01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
01-FBB-2005 (TrEMBLrel. 29, Last annotation update)
Putative poly(A) binding protein.
                                                                                                                                           DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             67.7%; Score 42; DB 2; 54.5%; Pred. No. 49;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    662 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           662 AA.
     By similarity.
By similarity.
By similarity.
                                                                                                                                        Score 52; DB 1
Pred. No. 0.2;
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Arabidopsis thaliana (Mouse-ear cress).
                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pfam; PP00658; PABP; 1. — Pfam; PP00076; RRM 1; 4. SMART; SM00517; POLYA; 1. SMART; SM00510; RRM; 4. TIGRPAMS; TIGR01628; PABP-1234; 1. SEQUENCE 662 AA; 71639 MW; 44848
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRT;
     85 96 By
107 124 By
146 154 By
155 AA; 17648 MW;
                                                                                                                                        83.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Q9C5JO_ARATH PRELIMINARY;
Q9C5JO;
                                                                                                                                                                                                                                                                                    |:|||::||||
144 RICRIIFLRVCR 155
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022173;
                                                                                                                                                                     Similarity 66.7
8; Conservative
                                                                                                                                                                                                                                                       1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 LCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              :|::| :||||
69 VCQVVSVRVCR 79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE.
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Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=3702;
DISULFID
DISULFID
DISULFID
SEQUENCE
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022173 ARATH
1D 022173 AR
AC 022173;
DT 01-JAN-15
DT 01-JAN-15
DT 01-FEB-20
GN Name=Atze
                                                                                                                                           Query Match
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Gaps

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Sasaki T., Matsuncto T., Yamamoto K.;
"Oryza sativa nipponbare(GA3) genomic DNA, chromosome 6, PAC clone:P0621005.";
submitted (MAY-2001) to the EMBL/GenBank/DDBJ databases.
EMBL; AP003761; BAD53807.1; -; Genomic DNA.
EMBL; AP003621; BAD53807.1; -; Genomic DNA.
GO; GO:0016020; C:membrane; IEA.
GO; GO:0016020; C:membrane; IEA.
GO; GO:00160215; F:transporter activity; IEA.
GO; GO:0006857; P:013gopeptide transport; IEA.
[1]
NUCLEOTIDE SEQUENCE.
Sasaki T., Matsumoto T., Yamamoto K.;
"Oryza sativa nipponbare(GA3) genomic DNA, chromosome 6, PAC
                                                                                                  Submitted (JUN-2001) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 50.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RLCRIVVIRVCR 12
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SEQUENCE 569 AA; 61
                                                                                                                                                 NUCLEOTIDE SEQUENCE
                                                                                     clone:P0018H04
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25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
10-May-2005 (TrEMBLrel. 30, Last annotation update)
10-Mame=P0018H04.18; Synonyms=P0621D05.6;
0ryza sativa (japonica cultivar-group).
5-Divaryota; Viridiolantae; Streptophyta; Embryophyta; Tracheophyta;
5-Dermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Enthartoideae; Oryzeae; Oryza.
                                                                                                                                                                                                                           The Anopheles gambiae Sequence Committee;
Submitted (APR-2004) to the EMEL/GenBank/DDBJ databases.
-- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is preliminary data.

EMBL; AAAB01008090; EAA03222.2; -; Genomic_DNA.
GO; GO:0016050; E:calcium ion binding; IEA.
GO; GO:0005509; F:calcium ion binding; IEA.
InterPro; IPR00122; Asx hydroxyl_S.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2660 AA; 294901 MW; 4E3271CE3F6BEAED CRC64;
                                                                                                     The Anopheles gambiae Sequence Committee; "Anopheles gambiae re-annotation."; Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         569 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PERM; PRO/028; Cadherin; 13.
Pfam; PP00028; EGF; 4.
Pfam; PP0008; EGF; 4.
Pfam; PP00210; Laminin G 2; 1.
PRINTS; PR00205; CADHERIN.
SWART; SW00112; CA; 14.
SWART; SW00119; EGF; 6.
SWART; SW00119; EGF CA; 1.
PR0SITE; PS00222; Lamid; 1.
PR0SITE; PS00232; CADHERIN 1; 7.
PR0SITE; PS00232; CADHERIN 1; 7.
PR0SITE; PS00232; CADHERIN 1; 7.
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EGF 2; 2.
EGF 3; 5.
EGF CA; 1.
LAM G DOMAIN; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              InterPro; IPR000742; EGF 2.
InterPro; IPR001881; EGF Ca.
InterPro; IPR006209; EGF Ilke.
InterPro; IPR006210; IEGF.
InterPro; IPR001791; Laminin G.
InterPro; IPR012680; Laminin G 2.
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QSZ8U7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                : |:::|:|
184 VCKVLVLRLCR 194
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    Anophelinae; Anopheles.
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                                                               NUCLEOTIDE SEQUENCE.
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Best Local Similarity
                     NCBI_TaxID=180454;
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PS50026;
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SEQUENCE
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QSZ8U7 OR
QSZ8U7 OR
DD QSZ8
DT 25-0
DT 10-M
DB Puta
GN Name
OC Spex
OC Shex
    SO THE SECOND TO SECOND SECOND
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Gaps

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64.5%; Score 40; DB 2; Length 569; 50.0%; Pred. No. 98; 2; Indels tive 4; Mismatches 2; Indels

61717 MW; 3B532CACE36DDB19 CRC64;

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Arachchi H.M., Barna N., Bastien V., Bloom T., Bnderson S.,
Arachchi H.M., Barna N., Bastien V., Bloom T., Boguslavkiy L.,
Burkgalter B., Butler J., Calvo S.B., Camarata J., Chang J.,
Choepel Y., Collymore A., Cooke P., Corum B., DeArellano K.,
Choepel Y., Collymore A., Cooke P., Corum B., DeArellano K.,
Diaz J.S., Dodge S., Dooley K., Dorris L., Elkins T., Engels R.,
A Erickson J., Faros S., Ferreira P., FitzGerald M., Cage D., Galagan J.,
Raddyna S., Graham L., Grand-Pierre N., Hafez N.,
Hagopian D., Hagos B., Hall J., Horton L., Hulme W., Iliev I.,
Johnson R., Jones C., Kamal M., Kamat A., Karatas A.,
An E. J., Mabbitt R., MacLean C., Macdonald P., Major J., Manning J.,
Mathews C., Mauceli E., McCarthy M., Meldrim J., Meneus L.,
Michowa T., Menga V., Murphy T., Naylor J., Nguyen C., Nicol R.,
Nielsen C.B., Norbu C., O'Connor T., O'Donnell P., O'Neil D.,
Oliver J., Peterson K., Phunkhang P., Pierre N., Pircell S.,
Roman J., Schauer S., Schubback R., Seevery P., Smirnov S.,
Smith C., Spencer B., Stange-Thomann N., Stojanovic N., Stubbs M.,
Talamas J., Tesfaye S., Theodore J., Topham K., Travers M.,
W. Wassilkev H., Venkataraman V.S., Viel R., Vo A., Wang S., Wilson B.,
W. W. Wyman D., Young G., Zainoun J., Zembek L., Zimmer A., Zody M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              "Fusarium graminearum genome sequence.";
Submitted (FBE-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Fungi; Ascomycota; Pezizomycotina; Sordariomycetes;
Hypocreomycetidae; Hypocreales; Nectriaceae; Gibberella.
NCBL_TaxID=229533;
                                                                                                                                                                                                                                                                                                                                  Last sequence update)
Last annotation update)
                                                                                                                                                                                                             605 AA.
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13-SEP-2005 (TrEMBLrel. 31, La
13-SEP-2005 (TrEMBLrel. 31, La
Hypothetical protein.
ORFNames=FG07994.1;
Gibberella zeae PH-1.
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Q41464;
255 RVCQVVVAAVČK 266
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Science 300:1566-1569(2003)
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154 RLCRRVLVDVC 164
               |||: |:| |
92 LCRVSVLRAC 101
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   2 LCRIVVIRVC 11
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Best Local Similarity
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[1]
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                                                                                                                                                                                                                                                                                                                                                                                                    chromosome 10.
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Q74AJ6 GEOSL
                                                            RESULT 10
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Mammalia; Butheria; Buarchontoglires; Primates; Catarrhini; Hominidae;
                                                                       Gaps
                                                                                                                                                                                                                                                                                                                              STRAIN=Ankara isolate clone C9;
Pain A., Renauld H., Murphy L., Harris D.A., Quail M.A., Berriman M.,
Hall N., Barrell B.G.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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Submitted (MAY-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AJ715525; CAG29368.1; -; Genomic_DNA.
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                                                                                                                                                                                                                                                                      Eukaryota; Alveolata; Apicomplexa; Piroplasmida; Theileriidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 1514;
                                                                                                                                                                                                                                                                                                                                                    Hall N., Barrell B.G.;
"The chromosome 3 genome sequence of Theileria annulata.";
Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; CR940352; CAI76061.1; -; Genomic_DNA.
Hypothetical protein.
SEQUENCE 1514 AA; 174664 MW; 8CB30650A083CA5A CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               62.9%; Score 39; DB 2; Length 142; 60.0%; Pred. No. 41;
                                                Length 605
                                                                                                                                                                                                                                                                                                                                                                                                                                    64.5%; Score 40; DB 2; Length 151
45.5%; Pred. No. 2.4e+02;
tive 4; Mismatches 2; Indels
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                                                                      1; Indels
             Hypothetical protein.
SEQUENCE 605 AA; 66248 MW; A7E3E637F1A839BB CRC64;
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                                                                                                                                                                                                            Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-JUL-2004 (TrEMBLrel. 27, Last sequence update) 05-JUL-2004 (TrEMBLrel. 27, Last annotation update) Hepcidin antimicrobial peptide (Fragment)
EMBL; AACM01000323; EAA72955.1; -; Genomic_DNA
                                              Ouery Match 64.5%; Score 40; DB 2; Best Local Similarity 63.6%; Pred. No. 1e+02; Matches 7; Conservative 3; Mismatches
                                                                                                                                                                             PRT; 1514 AA
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                                                                                                                                                                         Q4UAUO THEAN PRELIMINARY;
Q4UAUO;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 QEKC15 HUMAN PRELIMINARY;
QEKC15;
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502 IMRILVLRVCR 512
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                                                                                          2 LCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2 LCRIVVIRVCR 12
                                                                                                                                                                                                                                   Hypothetical protein.
ORFNames=TA17370;
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                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                             rheileria annulata
                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
wes 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
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                        SEQUENCE
                                                                                                                                                                                                                                                                                   Theileria
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Matches
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Wing R.A., Yu Y., Yang T.J., Nah G., Soderlund C., Chen M., Kim H.-R., Rambo T., Saski C., Henry D., Oates R., Simmons J.; Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Oryza sativa (japonica cultivar-group).
Wakaryota, Viridplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Enrhartoideae, Oryzeae, Oryza.
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05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
180amylase family protein.
0rderedLocusNames=GSU2358;
Geobacter sulfurreducens.
Bacteria; Proteobacteria; Deltaproteobacteria; Desulfuromonadales;
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Wing R.A., Yu Y., Soderlund C., Chen M., Kim H.-R., Rambo T.,
Saski C., Henry D., Oates R., Simmons J.;
Submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
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44 ORYSA ORYSA PRELIMINARY; PRT; 359 AA. OBL544 ORYSA PRELIMINARY; PRT; 359 AA. OBL544 OLT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-PEB-2005 (TrEMBLrel. 29, Last annotation update)
Hypothetical protein OSJNBb0072F04.12 (Hypothetical protein OSJNBb0072F04.12 (Hypothetical protein OSJNBb0072F04.12 (Hypothetical protein OSJNBBD0072F04.12 (Hypothetical protein OSJNB
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databases.
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63.6%; Pred. No. 97;
ive 2; Mismatches 2; Indels
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GO; GO:0006512; P:ubiquitin cycle; IEA.
InterPro; IPR001810; F-box.
Pfam; PF0066; F-box; 1.
Hypothetical protein.
SEQUENCE 359 AA; 40204 MW; 208B10C4437447C6 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Name=OSJNAb0072F04.6; ORFNames=OSJNBb0072F04.12;
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Submitted (MAY-2003) to the EMBL/Genbank/DDBJ
EMBL; AC09253; AAM23246.1; -; Genomic_DNA.
EMBL; AC122147; AAM47617.1; -; Genomic_DNA.
EMBL; AE017053; AAP51984.1; -; Genomic_DNA.
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Birran B., Nusbaum C., Abebe A., Abouelleil A., Adekoya E.,

Art-zahra M., Allen N., Allen T., An P., Anderson M., Anderson S.,

A racchil H., Armbruster J., Bachantsang P., Baldwin J., Barry A.,

Bayul T., Blitshsteyn B., Bloom T., Blye J., Boguslavskiy L.,

Bayul T., Blitshsteyn B., Brumache A., Butler J., Calixte N.,

A Collymore A., Comraidine T., Cooke P., Chesherseng Y., Citroen M.,

A Collymore A., Considine T., Cooke P., Corne B., Cuomo C.,

A David R., Dawoe T., Degray S., Dodge S., Dooley K., Dorje P.,

Dorjee K., Dorris L., Duffey N., Dupes A., Elkins T., Engels R.,

Brickson J., Farina A., Faro S., Ferreira P., Fischer H.,

Ricke A., Goyette A., Graham J., Grandbois B., Gyaltsen K., Hafez N.,

Hagopian D., Hagos B., Hall J., Hatcher B., Heller A., Higgins H.,

A Hagopian D., Hagos B., Hall J., Hatcher B., Heller A., Higgins H.,

A Hagopian D., Hagos B., Hall J., Hatcher B., Heller A., Higgins H.,

A Hagopian D., Landers T., Leger J., Kulbokas E., Lawis T.,

Lama D., Landers T., Leger J., Levins S., Lewis D., Levis T.,

Lindblad-toh K., Liu X., Lokyitsang Y., Lucien O.,

Lui A., Ma L.J., Mabbitt R., Maru K., Matchews C., Maior J.,

A Manning J., Marabella R., Maru K., Matchews C., Maior J.,

A Manning J., Marabella R., Maru K., Matchews C., Mancell E.,
                                                                                                                                                                                                                                                                                                                                             TIGR; GSU2358; -.

GO; GO:0004556; F:alpha-amylase activity; IEA.

GO; GO:0004553; F:hydrolase activity, hydrolyzing O-glycosyl . . .; IEA.

GO; GO:0005975; P:carbohydrate amyl cat.

InterPro; IPR006047; Alpha amyl cat.

InterPro; IPR006589; Alpha amyl cat.

InterPro; IPR004193; Glyco hydro I33N.
                                                                Methe B.A., Nelson K.B., Eisen J.A., Paulsen I.T., Nelson W.C., Heidelberg J.F., Wu D., Wu M., Ward N.L., Beanan M.J., Dodson R.J., Madupu R., Brinkac L.M., Daugherty S.C., DeBoy R.T., Durkin A.S., Gwinn M.L., Kolonay J.F., Sullivan S.A., Haft D.H., Selengut J., Davidsen T.M., Zafar N., White O., Tran B., Romero C., Forberger H.A. Weidman J.F., Knouri H.M., Feldblyum T.V., Utterback T.R., Wan Aken S.E., Lovley D.R., Fraser C.M.;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota, Fungi, Basidiomycota, Ustilaginomycetes,
Ustilaginomycetidae, Ustilaginales, Ustilaginaceae, Ustilago.
NCBI_TaxID=237631;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   62.9%; Score 39; DB 2; Length 630; 66.7%; Pred. No. 1.6e+02; ive 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       630 AA; 70095 MW; CE8192F12D3F66EA CRC64;
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Last annotation update)
                       STRAIN=PCA / AICC 51573;
PubMed=14671304; DOI=10.1126/science.1088727;
                                                                                                                                                                                                                                                                                                                      EMBL; AE017180; AAR35732.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pfam; PF00128; Alpha-amylase; 1. Pfam; PF02922; Isoamylase_N; 1. SMART; SM00642; Aamy; 1.
                                                                                                                                                                                                                                                                                               Science 302:1967-1969(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Q4P363 USTMA PRELIMINARY;
Q4P363;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6; Conservative
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535 RVVVVRLCR 543
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ORFNames=UM05450.1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
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SEQUENCE 630 AA;
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P470

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RA Mesirov J., Mihalev A., Mihova T., Mikkelsen T., Mlenga V., Moru K., Mozes J., Mulrain L., Munson G., Naylor J., Newes C., Nguyen C., Ra Nguyen N., Nguyen T., Nicol R., Nielsen C., Nizzari M., Norbu C., Norbu V., O'donnell P., Okoawo O., O'leary S., Omotosho B., Ra Norbu N., O'donnell P., Parker S., Perrin D., Phunkhang P., Piqani B., Ra Purcell S., Rachupka T., Ramasamy U., Rameau R., Ray V., Raymond C., Ra Retta R., Richardson S., Rise C., Rodriguez J., Rogers J., Rogov P., Ra Rutman M., Schupbach R., Seaman C., Settipalli S., Sharpe T., Sherjan J., Sherjan D., Sherjan D., Smith C., Sougnez C., Ra Sterson K., Stone S., Smirnov S., Smith C., Sougnez C., Spencer B., Stalker J., Stange-thomann N., Stavropoulos S., Stenson K., Stone S., Theodore J., Thoulutsang Y., Topham K., Towey S., Tsamla T., Tsomo N., Vallee D., Vassiliev H., Topham K., Towey S., Tsamla T., Tsomo N., Vallee D., Vassiliev H., Topham K., Vanson J., Vo A., Wade C., Wang S., Wangchuk T., Whittaker C., Wilkinson J., Wu Y., Wyman D., Yadav S., A Yang S., Yang X., Yee B., Young G., Zainoun J., Zembeck L., M., M., Lander E., White R., Mangell E., Wang S., Wang S.,
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Sato S., Kotani H., Nakamura Y., Kaneko T., Asamizu E., Fukami M.,
Miyajima N., Tabata S.;
"Structural analysis of Arabidopsis thaliana chromosome 5. I. Sequence
features of the 1.6 Mb regions covered by twenty physically assigned
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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Arabidopsis thaliana (Mouse-ear cress).
Eukaryota, Viridiplantae, Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons; rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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EMBL, AB005237, EAB09660.1; -; Genomic_DNA.

GO; GO:0000154; C:uncleus; IEA.

GO; GO:0000155; C:ubiquitin ligase complex; IEA.

GO; GO:0004842; F:ubiquitin-protein ligase activity; IEA.

GO; GO:0004842; F:ubiquitin-protein ligase activity; IEA.

GO; GO:00064842; F:ubiquitin-protein ligase activity; IEA.

GO; GO:0006487; P:racein ubiquitination; IEA.

GO; GO:0006555; P:regulation of transcription, DNA-dependent; IEA.

InterPro; IPR06055; ZeF25 fd BS.

InterPro; IPR000967; Znf_NFX1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     "The genome sequence of Ustilago maydis.";
Submitted (FBS-2004) to the EWBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  preliminary data.
-!- SIMILARITY: Belongs to the ATP-dependent AMP-binding enzyme
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01-MAR-2001 (TrEMBLrel. 16, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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88.9%; Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; AACP01000195; EAK86345.1; -; Genomic_DNA.
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PROSITE; PS00455; AMP_BINDING; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterPro; IPR000873; AMP-bind.
Pfam; PF00501; AMP-binding; 1.
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RESULT 14

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PubMed=1522992; DOI=10.1038/nature02579;
Dujon B., Sherman D., Fischer G., Durrens P., Casaregola S.,
Lafontaine I., de Montigny J., Marck C., Neuveglise C., Talla E.,
Goffard N., Frangeul L., Aigle M., Anthouard V., Babour A., Barbe V.,
Barnay S., Blanchin S., Beckerich J.-M., Beyne E., Bleykasten C.,
Boiszame A., Boyer J., Cattolico L., Confanioleri F., de Daruvar A.,
Despons L., Fabre E., Fairhead C., Ferry-Dumazet H., Groppi A.,
Hantraye F., Hennequin C., Jauniaux N., Joyet P., Kachouri R.,
Kerreet A., Koszul R., Lemaire M., Lesur I., Muller H.,
Nicaud J.-M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O.,
Pellenz S., Potier S., Richard G.F., Straub M.-L., Suleau A.,
Swennen D., Tekaia F., Wesolowski-Louvel M., Westhof E., Wirth B.,
Zeniou-Meyer M., Zivanovic Y., Bolotin-Pukuhara M., Thierry A.,
M. Bouchier C., Caudron B., Scarpelli C., Gaillardin C., Weissenbach J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STRAIN=NCC 2705;
MBDLINE=22294977; PubMed=12381787; DOI=10.1073/pnas.212527599;
SCHell M.A., Karmirantzou M., Snel B., Vilanova D., Berger B.,
Pessi G., Zwahlen M.-C., Desiere F., Bork P., Delley M.,
Pridmore R.D., Arigoni F.;
"The genome sequence of Bifidobacterium longum reflects its adaptation to the human gastroincestian tract.",
Proc. Natl. Acad. Sci. U.S.A. 99:14427 (2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Kluyveromyces lactis (Yeast).
Bukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes;
Saccharomycetales; Saccharomycetaceae; Kluyveromyces.
                                                                                                                                                                                                                                                                                                                                            Bacteria; Actinobacteria; Actinobacteridae; Bifidobacteriales;
Bifidobacteriaceae; Bifidobacterium.
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Pred. No. 51;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL, AE014295; AANZ4993.1; -; Genomic DNA.
Complete proteome; Hypothetical protein.
SEQUENCE 145 AA; 16921 MW; C17084D9BE1608C8 CRC64;
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Last annotation update)
                                                                                                                                                                                      Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
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                                                                                                 145 AA.
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                                                                                                                                                            Created)
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Complete proteome.
SEQUENCE 147 AA; 16993 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        62.1%;
61.5%;
                                                                                                                                                  01-MAR-2003 (TrEMBLrel. 23, 01-MAR-2003 (TrEMBLrel. 23, 01-MAR-2003 (TrEMBLrel. 23,
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Best Local Similarity 61.55,
Best Local Similarity 61.55,
                                                                                           QBG532_BIFLO PRELIMINARY;
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Q6CM89;
                                                                                                                                                                                                                                                                                 OrderedLocusNames=BL1188;
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                                                                                                                                                                                                                                                                                                                  Bifidobacterium longum
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                                                                                                                                                                                                                                                    Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                          NCBI_TaxID=216816;
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                             RESULT 15
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Arachchi H.M., Barna N., Bastien V., Bloom T., Boguslavkiy L.,
Buckgalter B., Butler J., Calvo S.E., Camarata J., Chang J.,
Choepel Y., Collymore A., Cook A., Cooke P., Corum B., DeArellano K.,
Diaz J.S., Dodge S., Dooley K., Dorris L., Elkins T., Engels R.,
Brickson J., Faro S., Ferreira P., FitzGerald M., Gage D., Galagan J.,
Raddyna S., Gnerreira P., FitzGerald M., Gage D., Galagan J.,
Angerian D., Hagos B., Hall J., Horton L., Hulme W., Iliev I.,
Anffe D., Johnson R., Jones C., Kamal M., Kamat A., Karatas A.,
Kells C., Landers T., Lovine R., Lindblad-Toh K., Liu G., Lui A.,
Ma L.-J., Mabbitt R., Maclean C., Macdonald P., Major J., Manning J.,
Mihova T., Mienga V., Murphy T., Naylor J., Nguyen C., Nicol R.,
Nicols W., O'Comnor T., O'Donnell P., O'Neil D.,
A Nielsen C.B., Norbu C., O'Comnor T., O'Donnell P., O'Neil D.,
Roman J., Schauer S., Schuback R., Seaman S., Severy P., Smirnov S.,
Smith C., Spencer B., Stange-Thomann N., Stojanovic N., Stubbs M.,
Talamas J., Tesfaye S., Theodore J., Topham K., Travers M.,
M. W., Wyman D., Young G., Zainoun J., Zembek L., Zimmer A., Zody M.,
Lander E.,
                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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                                                                                                                                                                                                                                                                                 Length 820;
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                                                                                                                                                                                                                                             62.9%; Score 39; DB 2; Length 820
70.0%; Pred. No. 2.1e+02;
...marches 2; Indels
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SEQUENCE 997 AA; 107426 MW; 59B2130524C4E72D CRC64;
                      InterPro; IPR001841; Znf_RING.
Pfam; PF01422; Zf_NR-X1; 6.
SMART; SM00438; ZnF_MRS; 7.
SMART; SM00438; ZnF_NRS; 7.
PROSITE; PS00197; ZFE2S FERREDOXIN; UNKNOWN_2.
PROSITE; PS011359; ZF PHD 1; UNKNOWN 1.
SEQUENCE 820 AA; P073 MW; CE8CF9D64D18D30F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
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InterPro; IPR001965; Znf_PHD
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Q41711;
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Best Local Similarity 63.0.
Restractive 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                          CRIVVIRVCR 12
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Best Local Similarity
7; Conserve
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SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                               Gaps
                                                                                                                                                                                                                                                                                                                                 MEDLINE=22484998; PubMed=12597275;
Kaneko T., Nakamura Y., Sato S., Minamisawa K., Uchiumi T.,
Sasamoto S., Watanabe A., Idesawa K., Iriguchi M., Kawashima K.,
Kohara M., Matsumoto M., Shimpo S., Tsuruoka H., Wada T., Yamada M.,
Tabata S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tetraodon nigroviridis (Green puffer).

Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Actinopterygii, Neopterygii, Teleostei, Euteleostei, Neoteleostei,
Acanthomorpha, Acanthopterygii, Percomorpha, Tetraodontiformes,
Tetradontoidea, Tetraodontidae, Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                   genomic sequence of nitrogen-fixing symbiotic bacterium
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                                                                                                                                                                                                                                                      Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Bradyrhizobiaceae; Bradyrhizobium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61.3%; Score 38; DB 2; Length 203; 50.0%; Pred. No. 86; ive 4; Mismatches 1; Indels
     2; Length 147;
                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q4SZL3 TETNG PRELIMINARY; PRT; 342 AA. Q4SZL3; 13-SEP-2005 (TEMBLrel. 31, Created) 13-SEP-2005 (TEMBLrel. 31, Last sequence update) 13-SEP-2005 (TEMBLrel. 31, Last annotation update) chromosome 14 SCAF11586, whole genome shotgun sequence. ORFNames=GSTENG00009791001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    203 AA; 23052 MW; 6E92DA8F851103C7 CRC64;
                                                                                                                                                                     01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
Bl17765 protein.
                                                                                                                                                  203 AA
  Score 38; DB 2
Pred. No. 64;
4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                               Bradýrhizobium japonícum USDA110.";
DNA Res. 9:189-197(2002).
EMBL; BA000040; BAC53030.1; -; Genomic_DNA.
    61.3%;
50.0%;
                                                                                                                                                                                                                             OrderedLocusNames=b117765;
                                                                                                                                    2 BRAJA
Q89CN2_BRAJA PRELIMINARY;
Query Match
Best Local Similarity 50.0
Matches 5; Conservative
                                                                                                                                                                                                                                          Bradyrhizobium japonicum.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5; Conservative
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124 RMCRYIVVRI 133
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NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Complete proteome.
SEQUENCE 203 AA
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Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C., Wincker P., Lander E.S., Weissenbach J., Roest Crollius H.; "Genome duplication in the teleost fish Tetraodon nigroviridis reveals the early vertebrate proto-karyotype.";
Nature 431:946-957(2004).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicotyledons;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
NCBI_TaxID=3702;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=20223719; PubMed=10759500; DOI=10.1104/pp.122.4.1045; Okada K., Saito T., Nakagawa T., Kawamukai M., Kamiya Y.; Frive geranylgeranyl diphosphate synthases expressed in different organs are localized into three subcellular compartments in
                                                                                                                                                                                                                      Genoscope, Whitehead Institute Centre for Genome Research, Submitted (FBB-2004) to the EMBL/GenBank/DDBJ databases.
-!-CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is preliminary data.

EMBL, CAABO1011586; CAF93919.1; -; Genomic DNA.

EMBL, CAABO1011586; A37353 MW; 5F9CFCBBC4DD54DD CRC64;
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MEDLINE=98009970; PubMed=9349257; DOI=10.1023/A:1005898805326;
Zhu X., Suzuki K., Saito T., Okada K., Tanaka K., Nakagawa T.,
Matsuda H., Kawamukai M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61.3%; Score 38; DB 2; Length 342; 54.5%; Pred. No. 1.4e+02; Live 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 343;
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50.0%; Pred. No. 1.46+02;
:ive 4; Mismatches 1; Indels
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01-JAN-1998 (TrEMBLrel. 05, Last sequence update)
01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
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Plant Physiol. 122:1045-1056(2000).
Plant Physiol. 122:1045-1056(2000).
GO: 00:0016740; Fitransferase activity; IEA.
GO: GO:0006299; P:isoprenoid biosynthesis; IEA.
InterPro; IRR00092; Polyprent. synt.
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PROSITE; PS00723; POLYPRENYL SYNTHET 1; 1.
PROSITE; PS00444; POLYPRENYL SYNTHET 2; 1.
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Name=GGPS6;
Arabidopsis thaliana (Mouse-ear cress).
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Query Match
Best Local Similarity 54.5%,
Best Local Similarity 54.5%,
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022043;
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89 RGCRVVLVRSC 99
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NUCLEOTIDE SEQUENCE.
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2 LCKIIIMRPC
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Ghedin E., Blandin G., Bartholomeu D., Caler E., Haas B., Hannick L.,
Shallom J., Hou L., Djikeng A., Feldblyum T., Hosteller J.,
Johnson J., Jones K., Koo H.L., Larkin C., Pai G., Peterson J.,
Khalak H.G., Salzberg S., Slimpson A.J., Tallon L., Van Aken S.,
Wanless D., White O., Wortman J., Fraser C.M., El-Sayed N.M.A.;
Submitted (APR-2001) to the EMBL/GenBank/DDBJ databases.
                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bukaryota; Buglenozoa; Kinetoplastida; Trypanosomatidae; Trypanosoma
NCBI_TaxID=5691;
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Rhabditidae; Peloderinae; Caenorhabditis.
NCBI TaxID=6239;
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                                Indels
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Haas B., Blandin G., Bl-Sayed N.;
Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; AC091483; AAX80638.1; -; Genomic_DNA.
Hypothetical protein.
SEQUENCE 497 AA; 56059 MW; C2B0485E86F5886D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=GUTatl0.1;
El-Sayed N.M., Khalak H., Adams M.D.;
Submitted (ARR-2001) to the EMBL/GenBank/DDBJ databases.
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10-MX-2005 (TrEMBLrel. 30, Last sequence update)
10-MX-2005 (TrEMBLrel. 30, Last annotation update)
Hypothetical protein.
ORFNames=Tb927.3.4690;
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01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Hypothetical protein tag-64.
Name-tag-64; ORFNames=Y73F8A.19;
Caenorhabditis elegans.
     Pred. No. 1.8e+02;
2; Mismatches 1;
                                                                                                                                                                                                                                                                                        497 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         610 AA.
                                                                                                                                                                                                                                                                                        PRT;
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MEDLINE=99069613; PubMed=9851916;
70.08;
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Q582R6;
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  Best Local Similarity 70.0
Matches 7; Conservative
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                                                                                        1 RLCRIVVIRV 10
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PubMed=15466710; DOI=10.1073/pnas.0406410101;
PubMed=15466710; DOI=10.1073/pnas.0406410101;
Bibba T., Wamashita A., Mikami Y., Hoshino Y., Kurita H., Hotta K., Shiba T., Hattori M.;
"The complete genomic sequence of Nocardia farcinica IFM 10152.";
Proc. Natl. Acad. Sci. U.S.A. 101:14925-14930(2004).
EMBL, AP006618; BAD57517.1; -; Genomic_DNA.
GO; GO:0005281; P:DNA repair; IEA.
InterPro; IRRO01126; UMUC_like.
PROSITE; PS50173; UMUC; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                       US DOE Joint Genome Institute (JGI-rur);
Copeland A., Lucas S., Lapidus A., Barry K., Detter C., Glavina T., Hammon N., Israni S., Pitluck S., Richardson P.;
"Sequencing of the draft genome assembly of Arthrobacter sp. FB24.";
Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
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                                                                                                                                                                                                                                                     Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
Micrococcineae; Micrococcaceae; Arthrobacter.
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Best Local Similarity 41.7%; Pred. No. 1.4e+02;
Matches 5; Conservative 5; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL; AAHG01000010; EAL95559.1; -; Genomic_DNA.
Hypochetical protein.
SEQUENCE 343 AA; 36980 MW; FF084F9084868E6B CRC64;
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25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Putative DNA polymerase IV family protein.
OrderedLocusNames=nfa26700;
                                                                                                             Last sequence update)
Last annotation update)
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                                343 AA.
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                                PRT;
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                                                                                     Created)
                                                                            13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31,
              Q4NE13_9MICC PRELIMINARY;
Q4NE13;
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QSYWC4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                193 ROCRVILVALCO 204
                                                                                                                                                            Hypothetical protein.
ORFNames=ArthDRAFT 1540;
Arthrobacter sp. FB24.
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                                                                                                                                                                                                                                                                                                          NCBI_TaxID=290399;
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QSYWC4 NOCFA RESULT 21

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SEQUENCE Query Match

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investigating biology.";
Science 282:2012-2018(1998)
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13-SEP-2005 (TrEMBLrel.
Hypothetical protein.
ORFNames=LmjF36.0830;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Caenorhabditis elegans.
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965 CRLMVLRLC 973
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                                                                                                                                                                                                                                                             Local Similarity
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Matches
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Q18183_CAE
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Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRAIN=Friedlin;
Peacock C.S., Murphy L., Ivens A.C., Berriman M., Blackwell J.,
Smith D., Collins M., Fosker N., Harris D., Oliver K., O'Neil S.,
Saunders D., Seeger K., Warren T., Apostolou Z., Bauser C., Beck A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota, Buglenozoa, Kinetoplastida, Trypanosomatidae, Leishmania.
NCBI_TaxID=5664;
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                                                                                                                                                                                              61.3%; Score 38; DB 2; Length 610; 63.6%; Pred. No. 2.4e+02; ive 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61.3%; Score 38; DB 2; Length 681; 60.0%; Pred. No. 2.7e+02; ive 2; Mismatches 2; Indels
EMBL; AL132862; CAB60545.2; -; Genomic_DNA.
Ensembl; Y73F8A.19; Caenorhabditis elegans.
Wormbase; WBGene00006441; Y73F8A.19.
Wormbep; Y73F8A.19; CE32997.
InterPro; IPR010734; Copine.
Pfam; PF07002; Copine.
Complete proteome; Hypothetical protein.
SEQUENCE 610 AA, 69313 MW; F797871430E6FC74 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBL; AL032651; CAB60580.1; -; Genomic_DNA.
Ensembl; Y6D1A.1; Caenorhabditis elegans.
WormBase; WBGene00012395; Y6D1A.1.
WormPep; Y6D1A.1; CE21324.
Complete Proteome; Hypothetical protein.
SEQUENCE 681 AA; 79729 MW; D78FA2A846D9A4BF CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-MAY-2000 (TrEMBLrel. 13, Created)
01-WAY-2000 (TrEMBLrel. 13, Last sequence update)
11-MAY-2003 (TrEMBLrel. 23, Last annotation update)
Hypothetical protein Y6D1A.1.
ORFNames=Y6D1A.1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Last sequence update)
Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                            681 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=Bristol N2;
MEDLINE=99069613; PubMed=9851916;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    investigating biology.";
Science 282:2012-2018(1998).
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13-SEP-2005 (TrEMBLrel. 31,
13-SEP-2005 (TrEMBLrel. 31,
Hypochetical protein,
ORFNames=LmjF19.0560;
                                                                                                                                                                                                                                                                                                                                                                                                        SB_CAEEL
Q9ULSB_CAEEL PRELIMINARY;
Q9ULSB;
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Q4QDG6;
                                                                                                                                                                                         Query Match 61.3
Best Local Similarity 63.6
Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=6239;
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040DG6_LEIMA
AC 040DG6_LE
DT 13-SEP-20
DT 13-SEP-20
DT 13-SEP-20
DE HYPOCHECI
GN ORFNAMESS
CC ELESENAMIO
CC ELES
CC ELESENAMIO
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Matches
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STRAIN-Friedlin;
Peacock C.3., Murphy L., Ivens A.C., Berriman M., Blackwell J.,
Peacock C.3., Murphy L., Ivens A.C., Berriman M., Blackwell J.,
Smith D., Collins M., Fosker N., Harris D., Oliver K., O'Neil S.,
Saunders D., Seeger K., Warren T., Rajandream M., and Barrell B.G.;
Sunders D., Seeger K., Warren T., Rajandream M., and Barrell B.G.;
Sunders D., Seeger K., Marren T., Rajandream M., and Barrell B.G.;
Bunders D., Seeger K., Parken T., Genomic_DNA.
Hypothetical protein.

Hypothetical protein.
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Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Leishmania major.
Eukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Leishmania.
NCBI_TaxID=5664;
Bianchettin G., Borzym K., Bothe G., Bruschi C., Ciarloni L., Duesterhoeft A., Fuchs M., Gabel C., Goffeau A., Hilbert H., Klages S., Kube M., Marra M., Masuy D., Mueller-Auer S., Pohl T., Purnelle B., Reinhardt R., Rieger M., Robben J., Schaefer M., Tosato V., Volckaert G., Wambutt R., Wedler H., Zimmermann M., Rajandream M., and Barrell B.G.; Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.

EMBL, CT005258; CAJ07140.1; -; Genomic_DNA.

Hypothetical protein.

SEQUENCE 1381 AA; 145460 MW; 11E833812BB4083D CRC64;
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                                                                                                                                                                                                                                                                                                                                                 61.3%; Score 38; DB 2; Length 1381;
55.6%; Pred. No. 5.2e+02;
tive 4; Mismatches 0; Indels
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The C. elegans sequencing consortium;
"Genome sequence of the nematode C. elegans: a platform for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (TrEMBLrel. 31, Last sequence update)
(TrEMBLrel. 31, Last annotation update)
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Last annotation update)
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018183.
01-NOV-1996 (TTEMBLrel. 01, Created)
01-NAR-2003 (TTEMBLrel. 23, Last seques)
01-MAR-2004 (TTEMBLrel. 26, Last annot: Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Created)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q4Q1Z3 LEIMA PRELIMINARY;
Q4Q1Z3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 54...
6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                   5; Conservative
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NUCLECTIDE SEQUENCE.

C. STRAIN=GRA009 / ARCC BAA-98;

C. STRAIN=GRA009 / ARCC BAA-98;

C. STRAIN=GRA009 / ARCC BAA-98;

C. Brand M.L., Pelletier D.A., Beatry J.T., Lang A.S., Tabita F.R.,

RA Land M.L., Hanson T.E., Bobst C., Torres y Torres J.L., Peres C.,

RA Harrison F.H., Gibson J., Harwood C.S.;

RT "Complete genome sequence of the metabolically versatile

Photosynthetic bacterium Rhodopseudomonas palustris.";

RT "Complete protecting Rhodopseudomonas palustris.";

RI Biotechnol. 22:55-61(2004).

BRBL; BX572600; CAB27629.1; -; Genomic DNA.

KW Complete proteome; Hypothetical protein; Signal.

KW Complete Protecome; Hypothetical protein.
                              Rhodopseudomonas palustris.
Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Bradyrhizobiaceae; Rhodopseudomonas.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  59.7%; Score 37; DB 2; Length 108;
58.3%; Pred. No. 73;
ive 2; Mismatches 3; Indels
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10-MAY-2005 (TrEMBLrel. 30,
10-MAY-2005 (TrEMBLrel. 30,
Hypothetical protein.
ORFNAmmes=Caol9.8234;
            OrderedLocusNames=RPA2188;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Q59X76 CANAL PRELIMINARY;
Q59X76;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 58.3
Matches 7; Conservative
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Matches 7; Conservative
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49 RACRPDVMRLCR 60
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                                                                                                       NCBI_TaxID=1076;
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Proc. Natl. Acad. Sci. U.S.A. 99:14422-14427 (2002).
-!- SUBCELULAR LOCATION: Integral membrane protein (By similarity).
-!- SIMILARITY: Belongs to the OXA1/OxaA family.
EMBL, AE014295; AAN24591.1; -; Genomic_DNA.
GO; GO:0016021; C:integral to membrane; IEA.
GO; GO:0051205; P:protein insertion into membrane; IEA.
InterPro; IPR001708; Innermemb_insert.
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Bacteria; Actinobacteria; Actinobacteridae; Bifidobacteriales;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=22294977; PubMed=12381787; DOI=10.1073/pnas.212527599; Schell M.A., Karmirantzou M., Snel B., Vilanova D., Berger B., Pessi G., Zwahlen M.-C., Desiere F., Bork P., Delley M., Pridmore R.D., Arigoni F.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-UNN-2003 (TrEMBLrel. 24, Last annotation update)
Truncated stage III sporulation protein J (SpoIIIJ) homolog.
OrderedLocusNames=BL0776;
                                                                                                                                                                                                                                                                                                                                     Score 38; DB 2; Length 2148;
Pred. No. 7.8e+02;
3; Mismatches 2; Indels
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                                                                                                                                                                                       PROBLEM: PF06650; DUF1162; 1.
PROSITE; PS00318; HMG COA REDUCTASE 2; UNKNOWN 1.
PROSITE; PS50231; RICIN B LECTIN; 1.
COMDISTE PSCOCEOME; Hypothetical protein.
SEQUENCE 2148 AA; 243201 MW; B61FDE04C39768BA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
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06NTRE:
05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     82 AA.
EMBL; U29535; AAK31453.2; -; Genomic_DNA.
Ensembl; C25H3.8; Cenorhabditis elegans.
Wormbase, WBGene00016117; C25H3.8.
Wormbep; C25H3.8; CE32142.
GO; GO:0008104; P:protein localization; IEA.
InterPro; IPR002202; HWG-CA red.
InterPro; IPR003722; HG-CA red.
InterPro; IPR009543; VPSAP.
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                                                                                                                                                                                                                                                                                                                                          61.3%;
54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                QBCY53_BIFLO PRELIMINARY;
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2012 LCRVRIPRLCR 2022
                                                                                                                                                                                                                                                                                                                                                                                              6; Conservative
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Matches 6; Conserv
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Best Local Similarity
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0607R8 RHOPA
1D 0607R8_RB
AC 0607R8;
DT 05-JUL-20
DT 05-JUL-20
DT 05-JUL-20
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Jones T., Federspiel N.A., Chibana H., Dungan J., Kalman S.,
Magee B.B., Newport G., Thorstenson Y.R., Agabian N., Magee P.T.,
Davis R.W., Scherer S.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Dungan J., Kuo A., Newport G., Lan C.-Y., Iijima C., Adegbola O., Roberts J., Persson K., Donnelly S., Favoreto S., Tzung K.-W., Jones T., Scherer S., Agabian N.;
                                                                                                                                                                                                                                                                                   Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes; Saccharomycetales; Candida.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is preliminary data.

EMBL; AACQ01000109; EAK95105.1; -; Genomic_DNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Annotation of the Genome of Candida albicans.";
Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hypothetical protein.
SEQUENCE 160 AA; 19544 MW; 7B94842C749E2153 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "The diploid genome sequence of Candida albicans.";
Proc. Natl. Acad. Sci. U.S.A. 101:7329-7334(2004).
                                                                                                      Last sequence update)
Last annotation update)
160 AA
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Complete proteome; Repeat. SEQUENCE 200 AA; 23929 1
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115 RLCRNVLIRI 124
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Best Local Similarity
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Q81428 PLA
ID Q8142
AC Q8142
DT 01-MA
DT 01-MA
DE HYDOT
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PubMed=15123810; DOI=10.1073/pnas.0401648101;
Jones T., Federspiel N.A., Chibana H., Dungan J., Kalman S.,
Magee B.B., Newport G., Thorstenson Y.R., Agabian N., Magee P.T.,
Davis R.W., Scherer S.;
"The diploid genome sequence of Candida albicans.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Dungan J., Kuo A., Newport G., Lan C.-Y., Iijima C., Adegbola O., Porsberts D., Persson K., Donnelly S., Favoreto S., Tzung K.-W., Jones T., Scherer S., Agabian N.; "Annotation of the Genome of Candida albicans."; Submitted (APR-2004) to the EMBL/GenBank/DBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=22255706; PubMed=12368865; DOI=10.1038/nature01099; Carlton J.M., Angiuoli S.V., Suh B.B., Kooij T.W., Pertea M., Silva J.C., Ermolaeva M.D., Allen J.E., Selengut J.D., Koo H.L., Peterson J.D., Pop M., Kosack D.S., Shumway M.P., Bidwell S.L., Shallom S.J., van Aken S.E., Riedmuller S.B., Feldblyum T.V., Cho J.K., Quackenbush J., Sedegah M., Shoaibi A., Cummings L.M., Florens L., Yates J.R. III, Raine J.D., Sinden R.E., Harris M.A., Cumningham D.A., Prelser P.R., Bergman L.W., Vaidya A.B., van Lin L.H., Janse C.J., Waters A.P., Smith H.O., White O.R.,
                                                                                                                                                                                                                                                                                                         Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes; Saccharomycetales; Candida.
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Bukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.
NCBI_TaxID=73239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 59.7%; Score 37; DB 2; Length 160; Best Local Similarity 63.6%; Pred. No. 1e+02; Matches 7; Conservative 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               preliminary data.

EMBL, ACQO100108; EAK95151.1; -; Genomic_DNA.
Hypoth Actor protein.

SEQUENCE 160 AA, 19574 MW, 7B948430049E2153 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "The diploid genome sequence of Candida albicans."; Proc. Natl. Acad. Sci. U.S.A. 101:7329-7334 (2004).
                                                                                                                                                                                      Last sequence update)
Last annotation update)
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Last annotation update)
                                                                                                                    160 AA
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01-MAR-2004 (TrEMBLrel. 26, Last seq
01-MAR-2004 (TrEMBLrel. 26, Last ann
                                                                                                                                                                   Created)
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10-MAY-2005 (TrEMBLrel. 30,
10-MAY-2005 (TrEMBLrel. 30,
Hypothetical protein.
ORFNames=CaO19.601,
                                                                                     4 CANAL
Q59xc4 CANAL PRELIMINARY;
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Q7RS70 PLAYO PRELIMINARY;
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22 RLCFVVEYRVC
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Q7RS70_PLA
                                                                    RESULT 31
Q59XC4_CAN
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Salzberg S.L., Venter J.C., Fraser C.M., Hoffman S.L., Gardner M.J., Carucci D.J.;
"Genome sequence and comparative analysis of the model rodent malaria parasite Plasmodium yoelii yoelii.";
Nature 419:512-519(2002).
-!- CAUTION: The sequence shown here is derived from an EMBL/Genbank/DDBJ whole genome shotgun (WGS) entry which is
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Pred. No. 1.1e+02;
2; Mismatches 2; Indels
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                                                                                                                                                                                                                                                             NON TER 176 176 58QUENCE 176 AA; 20430 MW; 4DD3C720C2B537B0 CRC64;
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081428;
01-MAR-2003 (TrEMBLrel. 23, Created)
01-MAR-2003 (TrEMBLrel. 23, Last sequence update)
01-MAR-2003 (TrEMBLrel. 23, Last annotation update)
Hypothetical protein PFE0365c.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    01-JUN-2002 (TrEMBLrel. 21, Created)
01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUN-2003 (TrEMBLrel. 25, Last annotation update)
CALCINEURIN BETA SUDUNIT.
OrderedcousNames=ECUO8 0160;
Encephalitozoon cuniculi
                                                                                                                                                     preliminary data.

EMBL; AABLO1000136; EAA16350.1; -; Genomic_DNA.
InterPro; IPRO06477; Yir_bir_cir.

Emplean; PF06022; Cir_Bir_Yir; 1.

TIGRPAMS; TIGR01590; Yir-bir-cir_Pla; 1.

NON_TER 176
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60.0%;
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Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases
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Q7RQC6_PLA
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                                                                                                       Hall N., Pain A., Berriman M., Churcher C., Harris B., Harris D.,

A Mungall K., Bowman S., Atkin R., Baker S., Barron A., Brooks K.,

Buckec C.O., Burrows C., Cherevach I., Chillingworth C.,

Chillingworth T., Christodoulu Z., Clark L., Clark R., Corton C.,

Cronin A., Davies R., Davis P., Dear P., Dearden F., Doggett J.,

A Feltwell T., Goble A., Goodhead I., Gwilliam R., Hamlin N., Hance Z.,

Humphray S., Jagels K., James K.D., Johnson D., Rerhornou A.,

Knights A., Konfortov B., Kyes S., Larke N., Lawson D., Lennard N.,

Line A., Maddison M., Mclean J., Mooney P., Moulle S., Murphy L.,

A seeger K., Sharp S., Smith R., Squares S., Stevens K.,

A Seeger K., Sharp S., Smith R., Squares S., Stevens K.,

A Sulston J.E., Craig A., Newbold C., Barrell B.G.;

Sulston J.E., Craig A., Newbold C., Barrell B.G.;

"Sequence of Plasmodium falciparum chromosomes 1, 3-9 and 13.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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US DOB Joint Genome Institute (JGI-PGF);
Copeland A., Lucas S., Lapidus A., Barry K., Detter C., Glavina T.,
Hammon N., Israni S., Pilluck S., Richardson P.;
"Sequencing of the draft genome assembly of Burkholderia cenocepacia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US DOB Joint Genome Institute (JGI-ORNL);
Latiner F., Land M.;
Mannotation of the draft genome assembly of Burkholderia cenocepacia
HI2444.";
                                                                                                                                                                                                                                                                                                                                                                             STRAIN=3D7;

Bavlin K., Baker S., Davies P., Mungal K., Berriman M., Pain A., Hall N., Bowman S., Churcher C., Quail M., Barrell B.;

Submitted (SEP-2002) to the BMBL/GenBank/DDBJ databases.

EMBL; AL929351; CAD51439.1; -; Genomic_DNA.

Hypothetical protein.

SEQUENCE 208 AA; 24045 MW; C319C77E9B6C898E CRC64;
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Burkholderiaceae; Burkholderia; Burkholderia cepacia complex.
       Plasmodium falciparum (isolate 3D7).
Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.
NCBI_TaxID=36329;
                                                                                             MEDLINE=22255708; PubMed=12368867; DOI=10.1038/nature01095;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 208;
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
14-lix-turn-helix, AraC type.
ORFNames=Bcen2424DRAFT 7061;
Burkholderia cencepacia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          59.7%; Score 37; DB 2; I 40.0%; Pred. No. 1.3e+02; tive 5; Mismatches 1;
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Q4LG14;
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158 ICLVLIVRVC 167
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Best Local Similarity
Matches 4; Conserv
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Name=PFE0365c;
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"Genome sequence and comparative analysis of the model rodent malaria
parasite Plasmodium yoelii yoelii.";
Nature 419:512-519(2002).
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                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE-22255706; PubMed=12368865; DOI=10.1038/nature01099; Carlton J.M., Angiuoli S.V., Suh B.B., Kooij T.W., Pertea M., Silva J.C., Ermolaeva M.D., Allen J.B., Selengut J.D., Koo H.L., Perterson J.D., Pop M., Kosack D.S., Shumway M.F., Bidwell S.L., Shallom S.J., van Aken S.E., Riedmuller S.B., Feldblyum T.V., Cho J.K., Quackenbush J., Sedegah M., Shoaibi A., Cummings L.M., Florens L., Yaces J.R. III, Raine J.D., Sinden R.E., Harris M.A., van Lin L.H., Janse C.J., Waters A.P., Smith H.O., White O.R., van Lin L.H., Janse C.J., Waters A.P., Smith H.O., White O.R., Salzberg S.L., Venter J.C., Fraser C.M., Hoffman S.L., Gardner M.J.,
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Plasmodium yoelii yoelii.
Eukaryota, Alveolata, Apicomplexa, Haemosporida, Plasmodium.
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Pred. No. 1.9e+02;
2; Mismatches 2; Indels
                                                                                                                                                                         59.7%; Score 37; DB 2; Length 279; 50.0%; Pred. No. 1.8e+02; ive 4; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Preliminary data.

EMBL, AABLO1000339; EAA20464.1; -; Genomic_DNA.
InterPro; IRPO6477; Yir.bir.cir.
Pfam; PRG622; Cir Bir Yir.i.
TIGRFAMS; TIGR01590; Yir.bir-cir Pla; 1.
SEQUENCE 309 AA; 35666 MW; 8E974ACA323D8BFF CRC64;
                                                           preliminary data.
EMBL; AAHL01000179; EAM15176.1; -; Genomic DNA.
SEQUENCE 279 AA; 30440 MW; 0E5B622E5CAC01D8 CRC64;
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01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
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Last annotation update)
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01-MAR-2004 (TrEMBLrel. 26,
01-MAR-2004 (TrEMBLrel. 26,
01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                                                                         Query Match 59.79
Best Local Similarity 50.0
Matches 6; Conservative
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141 RLCEVLMIRLLR 152
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Q7RQC6_PLAYO PRELIMINARY;
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Q7RBI8;
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nes 6; Conservative
                                                                                                                                                                                                                                                                                             1 RLCRIVVIRVCR 12
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Name=PY01174;
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Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.

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MUCLECTIDE SEQUENCE.

MEDLINE=20196006; PubMed=10731132; DOI=10.1126/science.287.5461.2185; Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Gocayne J.D., Adams M.D., Celniker S.E., Holt R.A., Evans C.A., Galle R.F., George R.A., Lewis S.E., Richards S., Ashburner M., Henderson S.N., Sutton G.G., Wortman J.R., Yandell M.D., Zhang Q., Chen L.X., Brandon R.C., Rogers Y.-H.C., Blazej R.G., Champe M., Pfeiffer B.D., Man K.H., Doyle C., Barter B.G., Helt G., Nalson C.R., Miklos G.L.G., Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D., Abril J.F., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D., Beson K.Y., Benos P.V., Berman B.P., Bhandari D., Bolshakov S., Borkova D., Botchan M.R., Bouck J., Brokstein P., Brottier P., Abrits K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I., Achery J.M., Cawley S., Dallke C., Davenport L.B., Davies P., Acher P. A., Deng Z., Mays A.D., Dew I., Dietz S.M., A Dodson K., Doup L.E., Downes M., Dugan-Rocha S., Dunkov B.C., Dunn P.,
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Chapteton M., Brokstein P., Hong L., Agbayani A., Carlson J.,
Champe M., Chavez C., Dorsett V., Farfan D., Frise E., George R.,
Gonzalez M., Guarin H., Li P., Liao G., Miranda A., Mungall C.J.,
A. Nunco J., Pacaleb J., Paragas V., Park S., Phouanenavong S., Wan K.,
Yu C., Lewis S.E., Rubin G.M., Celniker S.,
Eubirted (Aud-2001) to the EMBL/GenBank/DDBJ databases.
Embl: Ag022108; AAK03532.1; -i mRNA.
Ensembl: CG8902; Drosophila melanogaster.
R. Flykase; Fegnon03186; CG8902.
R. GO: GO:0005525; F:GTP binding; IEA.
GO: GO:0005525; F:GTP binding; IEA.
GO: GO:0005525; F:GTP binding; IEA.
GO: GO:0005525; P:GTPase activity; IEA.
GO: GO:0006525; F:GTPase, Activity; IEA.
R. GO: GO:0005219; GBP.
R. GO: GO:0005219; GBP.
R. Drosophila M: 402AABID41CE2915 CRC64;
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Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha; Ephydroidea; Drosophilidae; Drosophila.

NCBI_TaxID=7227;
                                                                                                                                                                                                                                                                                                                                                                                       Drosophila melanogaster (Fruit fly).
Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                         01-DEC-2001 (TrEMBLrel. 19, Created)
01-DEC-2001 (TrEMBLrel. 19, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
SD05495p.
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Last annotation update)
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                                                                                                                   395 A.A.
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01-OCT-2002 (TrEMBLrel. 22, Last seq
01-MAR-2004 (TrEMBLrel. 26, Last ann
                                                                                                           PRT;
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                                                                                                       Q960D9 DROME PRELIMINARY;
Q960D9;
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Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                      ORFNames=CG8902;
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096009 DRO
006000 AC
096000 AC
096000 DT 01-DB

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Genome sequence and comparative analysis of the model rodent malaria parasite Plasmodium yoelii yoelii."; Nature 419:512-519(2002).
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                        MEDLINE-22255706; PubMed=12368865; DOI=10.1038/nature01099; Carlton J.M., Angiuoli S.V., Suh B.B., Kooij T.W., Pertea M., Silva J.C., Ermolaeva M.D., Allen J.E., Selengut J.D., Koo H.L., Perterson J.D., Pop M., Kosack D.S., Shumway M.F., Bidwell S.L., Shallom S.J., van Aken S.E., Riedmuller S.B., Peldblyum T.V., Cho J.K., Quackenbush J., Sedegah M., Shoaibi A., Cummings L.M., Plorens L., Yates J.R. III, Raine J.D., Sinden R.E., Harris M.A., Cunningham D.A., Preiser P.R., Bergman L.W., Vaidya A.B., van Lin L.H., Janse C.J., Waters A.P., Smith H.O., White O.R., Salzberg S.L., Venter J.C., Fraser C.M., Hoffman S.L., Gardner M.J.,
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DNA Res. 9:189-197(2002).
EMBL; BA000040; BAC52570.1; -; Genomic_DNA.
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Bacteria; Proteobacteria; Alphaproteobacteria; Rhizobiales;
Bradyrhizobiaceae; Bradyrhizobium.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           59.7%; Score 37; DB 2; Length 347; 60.0%; Pred. No. 2.2e+02; tive 2; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 347 AA; 40560 MW; 7D9A027871F8A7C3 CRC64;
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Last annotation update)
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IntearPor, IRR006477; Yir bir cir.
Eam, PF06022; Cir Bir Yir; 1.
TIGREAMS; TIGR01590; yir-bir-cir_Pla; 1.
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Best Local Similarity 54.5%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OrderedLocusNames=blr7305;
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Q89DY2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 60.0
Matches 6; Conservative
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                                                                          NUCLEOTIDE SEQUENCE
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Complete proteome.
SEQUENCE 382 AA;
NCBI_TaxID=73239;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Carucci D.J.;
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1D 089DY2_BR
089DY2_BR
099DY2_BR
01-JUN-20
0F 01-JUN-20
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Length 395;

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EMBL; AE003616; AAF52482.2; -; Genomic_DNA
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Durbin K.J., Evangelista C.C., Ferraz C., Ferriera S., Fleischmann W., A Gong F., Garell J.H., Gu Z., Gubart W.M., Glasser K., Glodek A., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M., Harrey D.A., Heiman T.J., Hernandez J.R., Houck J., Houston K.A., Howland T.J., Wei M.-H., Ibegwam C., Jalali M., Kalush P., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A., Lasko P., Lei Y. Lei Y., Leviteky A.A., Li J.H., Li Z., Liang Y., Lin X., Liu X., Mattei B., McIntcsh T.C., McIeod M.P., McPherson D., Li X., Mattei B., McIntcsh T.C., McIeod M.P., McPherson D.L., Mount S.M., Moy M., Murphy B., Murphy L., Muzny D.M., Nelson D.L., Nelson D.R., Palazzolo M., Pittman G.S., Pan S., Pollard J., Puri V., Reese M.G., Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H., Shue B.C., Siden-Kiamos I., Simpson M., Skrupski M.P., Smith T., Spier E., Spradling A.C., Stapleton M., Strong R., Sun E., Spradling A.C., Stapleton M., Strong R., Sun E., Svirskas R., Tector C., Turner R., Wang S., Wang S., Yao Q.A., Walliams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A., Ye J., Yeh R.-F., Zaveri J.S., Zhan M., Zhang G., Zhan G., Zhan K., Shen H., Zhong W., Albert J.C., She S., Zhu X., Smith H.O., Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.;
The genome sequence of Enrosophila melanogaster.",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MEDLINE=22426065; PubMed=12537568;
Celniker S.E., Wheeler D.A., Kronmiller B., Carlson J.W., Halpern A., Patel S., Adams M., Champe M., Dugan S.P., Frise E., Hodgson A., George R.A., Hoskins R.A., Laverty T., Muzny D.M., Nelson C.R., Pacleb J.M., Park S., Pfeiffer B.D., Richards S., Sodergren E.J., Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Venter C., Weinstock G., Scherer S.E., Myers E.W., Gibbs R.A., Rubin G.M.; "Finishing a whole-genome shotqun: release 3 of the Drosophila melanogaster euchromatic genome sequence."; Genome Biol. 3:RESEARCH0079-RESEARCH0079(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             NUCLEOTIDE SEQUENCE.
MEDIJNE=22426070; PubMed=12537573;
Kaminker J.S., Bergman C.M., Kronmiller B., Carlson J.W., Svirskas R., Patel S., Frise E., Wheeler D.A., Lewis S.E., Rubin G.M., Ashburner M., Celniker S.E.;
"The transposable elements of the Drosophila melanogaster euchromatin:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Berkeley Drosophila Genome Project;
Celniker S., Carlson J., Wan K., Pfeiffer B., Frise E., George R.,
Hoskins R., Stapleton M., Pacleb J., Park S., Svirskas R., Smith E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUCLEOTIDE SEQUENCE.
MEDLINE=22426069; PubMed=12537572;
Misra S., Crosby M.A., Mungall C.J., Matthews B.B., Campbell K.S.,
Misra S., Crosby M.A., Maninker J.S., Millburn G.H., Prochnik S.E.,
Smith C.D., Tupy J.L., Whitfield E.J., Bayraktaroglu L., Berman B.P.
Bettencourt B.R., Celniker S.E., de Grey A.D.N.J., Drygdale R.A.,
Harris N.L., Richter J., Russo S., Schroeder A.J., Shu S.Q.,
Stapleton M., Yamada C., Ashburner M., Gelbart W.M., Rubin G.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           "Annotation of the Drosophila melanogaster euchromatic genome:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Q86BR6:CG31033; NbExp=1; IntAct=EBI-168789, EBI-105321; Q9VYBI:CG9938; NbExp=1; IntAct=EBI-168789, EBI-179943;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Drosophila melanogaster release 4 sequence.";
Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FlyBase;
Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                a genomics perspective.";
Genome Biol. 3:RESEARCH0084.1-RESEARCH0084.20(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 systematic review.";
Genome Biol. 3:RESEARCH0083.1-RESEARCH0083.22(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                              Science 287:2185-2195(2000).
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Smith J., Hyde J.E., Aspinall T.V., Sims P.F.G.;
Smith J., Hyde J.E., Aspinall T.V., Sims P.F.G.;
Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AY669086; AAT74583.1; -; mENA.
GO; GO:0005524; F:ATP binding; IEA.
GO; GO:0008841; F:dihydrofolate synthase activity; IEA.
GO; GO:0016874; F:ligase activity; IEA.
GO; GO:0016874; F:ligase activity; IEA.
GO; GO:000936; F:terrahydrofoly1polyglutamate synthase activity; IEA.
GO; GO:000936; P:folic acid and derivative biosynthesis; IEA.
GO; GO:0006730; P:one-carbon compound metabolism; IEA.
InterPro; IPR001645; FOlly: Synthtes.
InterPro; IPR01499; folly: "TIGRRAMS; TIGR01499; folly: "TIGRFAMS; TIGR01499; folly: "TIGRFAMS; TIGR01499; folly: "TIGRFAMS; TIGRO1499; folly: "TIGRFAMS; TIGRFAMS; TIGR
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Name=dhfs/fpgs;
Toxoglasma gondii.
Eukaryota; Alveolata; Apicomplexa; Coccidia; Eimeriida; Sarcocystidae;
                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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WAY-2005 (TrEMBLrel. 30, Created)

10-MAY-2005 (TrEMBLrel. 30, Last sequence update)

10-MAY-2005 (TrEMBLrel. 30, Last annotation update)

10-MAY-2005 (TrEMBLrel. 30, Last annotation update)

10-MAY-2005 (TrEMBLrel. 30, Last annotation update)

0RFNames=56B23-95;

Lycopersicon esculentum (Tomato).

Lycopersicon esculentum (Tomato).

Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; eudicotyledons; asterids; lamiids; Solanales; Solanaceae; Solanum; Lycopersicon.
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                                                                                                                                                                                                                                                                                                                                   Score 37; DB 2; Length 395;
Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                            3; Indels
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25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Dinydrofolate/folylpolyglutamate synthase (EC 6.3.2.12)
                                                                                                                                                                                                                                                          45699 MW; 02801A463C7AA4C9 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                            2; Mismatches
IntAct; Q9VM45; -.
Ensembl; CG8902; Drosophila melanogaster. Flybase; F8gm0031886; CG8902.
G0; G0:0005525; F:GTP binding; IEA.
G0; G0:0005924; F:GTPase activity; IEA.
G0; G0:0006955; P:immune response; IEA.
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                                                                                                                                                                                                                                                                                                                                   59.78;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     73 TOXGO
QGDKZ3 TOXGO PRELIMINARY;
QGDKZ3;
                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 56...
7; Conservative
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QSGA66;
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                                                                                                                                                                                                                   InterPro; IPR003191; GBP
SEQUENCE 395 AA; 45699
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      66 REARVFLIRVCR 77
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Matches
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NCBI_TaxID=4081;

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NCBI_TaxID=5664;
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                                                                                                                          "Complex Organization and Evolution of the Tomato Pericentromeric "Complex Organization and Evolution of the Tomato Pericentromeric Region at the FER Gene Locus.";
Plant Physiol. 138:1205-1215(2005).

EMBL; AX678298; AAW22876.1; -; Genomic_DNA.

EMG) ACO:0000151; C:ubiquitin ligase complex; IEA.

GO; GO:0000151; F:transcription factor activity; IEA.

GO; GO:0008770; F:zinc ion binding; IEA.

GO; GO:0008750; P:regulation of transcription, DNA-dependent; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Oryza sativā (japonica cultivar-group).
Bukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Ehrhartoideae, Oryzeae, Oryza.
                                                         PubMed=16009996; DOI=10.1104/pp.104.058099;
Guyot R., Cheng X., Su Y., Cheng Z., Schlagenhauf B., Keller B.,
Ling H.Q.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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"Oryza sativa nipponbare(GA3) genomic DNA, chromosome 9, BAC
clone:OJ1065_E04.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    59.7%; Score 37; DB 2; Length 833; 70.0%; Pred. No. 4.9e+02; ive 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  59.7%; Score 37; DB 2; Length 727; 60.0%; Pred. No. 4.3e+02; ive 2; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hypothetical protein.
REGUENCE 727 AA; 80859 MW; 50CB25C831933192 CRC64;
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InterPro; IPR001357; HEAT.
Pfam; PF02985; HEAT; 3.
Hypothetical protein.
SEQUENCE 833 AA; 91260 MW; 7A469295E92298BA CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Hypothetical protein OJ1065_E04.22.
Name=OJ1065_E04.22;
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InterPro; IPR000967; Znf NFX1.
InterPro; IPR001965; Znf PHD.
InterPro; IPR001841; Znf RING.
Pfam; PF01422; Zf-NF-X1; 7.
PRINTS; PR00003; 4DISULHCORE.
SMART; SM00438; ZnF NFX; 7.
PROSITE; PS50089; ZF PHD 1; UNKNOWN 1.
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Q653R0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 70.0
Matches 7; Conservative
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814 CRKVLSRVCR 823
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE.
                                            NUCLEOTIDE SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NCBI_TaxID=39947;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gramene; Q653R0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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Note that we will be a considered to the construction of the const
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                                                                                                                                                                                                                                                                                                                                                             Leishmania major.
Bukaryota; Euglenozoa; Kinetoplastida; Trypanosomatidae; Leishmania.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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Eurotiales; Trichocomaceae; Emericella.
NCBI_TaxID=227321;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 37; DB 2; Length 934;
Pred. No. 5.4e+02;
0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              934 AA; 104791 MW; CB93E681238D3828 CRC64;
                                         Q4FYM1,
13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
Hypothetical protein.
ORFNames=LMJ_0358;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         10-MAY-2005 (TrEMBLrel. 30, Created)
10-MAY-2005 (TrEMBLrel. 30, Last sequence update)
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
Hypothetical protein.
ORFNames=AN5381.2, AN5382.2;
Aspergillus nidulans FGSC A4.
     934 AA
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     PRT;
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Q4FYM1_LEIMA PRELIMINARY;
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QSB248;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 63.6
Matches 7; Conservative
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STRAIN=FGSC A4;
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Hall N., Karras M., Raine J.D., Carlton J.M., Kooij T.W.A.,
Berriann M., Florens L., Janssen C.S., Pain A., Christophides G.K.,
James K., Rutherford K., Harris D., Churcher C.,
Quail M.A., Ormond D., Doggett J., Trueman H.E., Mendoza J.,
Blúwell S.L., Rajandream M.A., Carucci D.J, Yates J.X., Kafatus F.C.,
Janse C.J., Barrell B., Turner C.M.R., Waters A.P., Sinden R.S.;
"A comprehensive survey of the Plasmodium life cycle by genomic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eiglmeier K., Honore N., Woods S.A., Caudron B., Cole S.T.; "Use of an ordered cosmid library to deduce the genomic organization
                                                                                                                                                                                                                                                                                                                                                                                                                                         transcriptomic, and proteomic analyses.";
Science 307:82-86(2005).
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBU whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mycobacterium leprae.
Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
                                                                                                                                                                      Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium
NCBI_TaxID=5821;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 36; DB 2; Length 80;
Pred. No. 83;
1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seeger K., Harris D.;
Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases
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Parkhill J., Barrell B.G., Rajandream M.A.;
Submitted (SEP-1997) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Submitted (MAR-1994) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hypothetical protein.
SEQUENCE 80 AA; 8746 MW; 9BA124EE5C8CCF29 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10-MAY 2005 (TrEMBLrel. 06, Last sequence update) B1937_F2 40 (Hypothetical protein MLCL536.02c).
                                                                             Last sequence update)
Last annotation update)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CAAI01001359; CAH96290.1; -; Genomic_DNA.
           80 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  165 AA.
                                                          Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-JUN-1998 (TrEMBLrel. 06, Created)
01-JUN-1998 (TrEMBLrel. 06, Last seg
10-MAY-2005 (TrEMBLrel. 30, Last ann
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDLINE=93188700; PubMed=8446027;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                of Mycobacterium leprae.";
Mol. Microbiol. 7:197-206(1993).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                58.1%;
63.6%;
                                                   13-SEP-2005 (TrEMBLrel. 31,
13-SEP-2005 (TrEMBLrel. 31,
13-SEP-2005 (TrEMBLrel. 31,
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Q49758 MYCLE PRELIMINARY;
Q49758;
           Q4Z0A0 PLABE PRELIMINARY;
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Best Local Similarity 65...
7; Conservative
                                                                                                                       Hypothetical protein.
ORFNames=PB103376.00.0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    preliminary data.
                                                                                                                                                                                                                                                             NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Robison K.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       EMBL;
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Hagopian D., Hagos B., Hall J., Horton L., Hulme W., Iliev I.,
Johnson R., Jones C., Kamal M., Kamat A., Karatas A.,
Kells C., Landers T., Levine R., Lindlad-Toh K., Liu G., Lui A.,
Ma L.-J., Mabbitt R., MacLean C., Macdonald P., Major J., Manning J.,
Matthews C., Maucell E., McCarthy M., Meldrim J., Moneus L.,
Milosa C., Murphy T., Naylor J., Nauven C., Nicol R.,
A. Nielsen C.B., Norbu C., O'Connor T., O'Donnell P., O'Neil D.,
A. Rachupka A., Ramasamy U., Raymond C., Retta R., Rise C., Rogov P.,
Roman J., Schauer S., Schupback R., Seaman S., Severy P., Smirnov S.,
Smith C., Spencer B., Stange-Thomann N., Stojanovic N., Stubbs M.,
Talamas J., Tesfaye S., Theodore J., Topham K., Travers M.,
Vassiliev H., Venkataraman V.S., Viel R., Vo A., Wang S., Wilson B.,
A. Lander E.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hall N., Karras M., Raine J.D., Carlton J.M., Kooij T.W.A., Berriman M., Florens L., Janssen C.S., Pain A., Christophides G.K., James K., Rutherford K., Harris B., Harris D., Churcher C., Quail M.A., Ormond D., Doggett J., Trueman H.E., Mendoza J., Blidwell S.L., Rajandream M.A., Carucci D.J., Yates J.R., Kafatos F.C., Janse C.J., Barrell B., Turner C.M.R., Waters A.P., Sinden R.S.; "A comprehensive survey of the Plasmodium life cycle by genomic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -1-CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is preliminary data.

EMBL; CAAJ01004397; CAH81501.1; -; Genomic_DNA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                58.9%; Score 36.5; DB 2; Length 320; 69.2%; Pred. No. 2.5e+02; tive 1; Mismatches 2; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium
NCBL_TaxID=5825;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         58.1%; Score 36; DB 2; Length 71; 63.6%; Pred. No. 74; 3; Indels ive 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                    "Genome Sequence of Aspergillus nidulans.";
Submitted (JAN-2004) to the EMBL/GenBank/DDBJ databases.
EMBL; AACD01000099; EAA62542.1; -; Genomic_DNA.
EMBL; AACD01000093; EAA62541.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hypothetical protein.
SEQUENCE 320 AA; 34772 MW; 1E0A199DC7758FFC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               7670 MW; 80AD09525D5D2E8E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      transcriptomic, and proteomic analyses."; Science 307:82-86(2005).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
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180 RLCNILVIQRRCR 192
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Q4XNL1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Conservative
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Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORFNames=PC108416.00.0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hypothetical protein.
SEQUENCE 71 AA; 76
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hypothetical protein.
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Query Match

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RESULT 47

Local Similarity
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Best Loca Matches

RESULT 46

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Query Match

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Gaps

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RESULT 49

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STRAIN=ATCC 19089 / CBIS;

MEDLINE=21173698; PubMed=11259647; DOI=10.1073/pnas.061029298;

MEDLINE=21173698; PubMed=11259647; DOI=10.1073/pnas.061029298;

Mierman W.C., Feldblyum T.V., Laub M.T., Paulsen I.T., Nelson K.F.,

Bisen J.A., Heidelberg J.F., Alley M.R.K., Ohta N., Maddock J.R.,

Potocka I., Nelson W.C., Newton A., Stephens C., Phadke N.D., Ely B.,

DeBoy R.T., Dodson R.J., Durkin A.S., Gwinn M.L., Haft D.H.,

Kolonay J.F., Smit J., Craven M.B., Khouri H.M., Vamathevan J.J.,

Berry K.J., Utterback T.R., Tran K., Wolf A.M., Vamathevan J.J.,
                                                                                                                                                                                                                                                                                                                                                                                         STRAIN=Rowbotham Bradford;
PubMed=15486256; DOI=10.1126/science.1101485;
Raoult D., Audic S., Robert C., Abergel C., Renesto P., Ogata H.,
La Scola B., Susan M., Claverie J.M.;
"The 1.2-Mb Genome Sequence of Mimivirus.";
                                                                                                                                                                                                                                                 La Scola B., Audic S., Robert C., Jungang L., de Lamballerie X., Drancourt M., Birtles R., Claverie J.M., Raoult D., "A giant virus in amoebae."; Science 299:2033-2033 (2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bacteria; Proteobacteria; Alphaproteobacteria; Caulobacterales; Caulobacteraceae; Caulobacter. WCBI_TaxID=155892;
                                                                                                                                                                                                           STRAIN=Rowbotham-Bradford;
MEDLINE=22550848; PubMed=12663918; DOI=10.1126/science.1081867;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 181;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Science 306:1344-1350 (2004).
EMBL, AYG3373; AAV31004.1; -; Genomic_DNA.
Hypothetical protein.
SEQUENCE 181 AA; 21726 MW; E4250CFDBFC66E20 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TIGR; CC0987; -. Complete proteone, Hypothetical protein. SEQUENCE 219 AA; 22879 MW; 6BF59EE9625F54EF CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Complete genome sequence of Caulobacter crescentus.";
Proc. Natl. Acad. Sci. U.S.A. 98:4136-4141(2001).
EMBL; AE005776; AAK22971.1; -; Genomic_DNA.
PIR; G87371; G87371.
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OrderedLocusNames=CC0987;
    Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 36; DB 2; L
Pred. No. 1.8e+02;
                                                                                             Viruses; dsDNA viruses, no RNA stage; Mimivirus.
VCBI_TaxID=212035;
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01-JUN-2001 (TrEMBLrel. 17, Last seq
01-JUN-2003 (TrEMBLrel. 24, Last ann
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40.0%;
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Q9A9J3_CAUCR PRELIMINARY;
Q9A9J3;
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                               (TrEMBLrel.
    01-FEB-2005 (TrEMBLrel.
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                                               Hypothetical protein.
ORFNames=MIMI_R744;
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Best Local Similarity
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Best Local Similarity
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                            01-FEB-2005
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Maucell E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,
Maucell E., Bouneau L., Fischer S., Lutfalla G., Dosate C., Segurens B.,
Nicaud S., Jaffe D., Fisher S., Lutfalla G., Dosate Ilenot B.,
Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,
Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
Biemont C., Skalli Z., Cattolico L., Poulain J., De Berardinis V.,
Cruaud C., Lardier S., Brottier P., Coutanceau J.P., Gouzy J.,
Rellis M., Volff JN., Guigo R., Zody M.C., Mesirov J.,
Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,
Wincker P., Lander E.S., Weissenbach J., Roest Crollius H.;
"Genome duplication in the teleost fish Tetraodon nigroviridis reveals
I. Nature 431:946-957(2004).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Tetraodon nigroviridis (Green puffer).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Actinopterygii; Neopterygii; Teleostei; Buteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;
Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                    13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Chromosome undetermined SCAF13636, whole genome shotgun sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Genoscope, Whitehead Institute Centre for Genome Research,
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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                                                                                                                                        Length 165;
                                                                                                                                        Query Match 58.1%; Score 36; DB 2; Length 165
Best Local Similarity 58.3%; Pred. No. 1.6e+02;
Matches 7; Conservative 2; Mismatches 3; Indels
EMBL; U00016; AAA17163.1; -; Genomic_DNA.
EMBL; Z99125; CAB16145.1; -; Genomic_DNA.
PIR; S72595; S72595.
Hypochetical protein: SEQUENCE 165 AA; 18436 MW; CCCB897CC64D9031 CRC64;
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QSUNZ4 MIMIV
ID QSUNZ4_MIMIV PRELIMINARY; PRT;
AC QSUNZ4;
DI 01-FEB-2005 (TrEMBLrel. 29, Created)
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ORFNames=GSTENG00011568001;
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Q4SWC0;
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Best Local Similarity 63.6
Matches 7; Conservative
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EMBL; CR626927; CAH09149.1; -; Genomic_DNA.
InterPro; IPR001173; Glyco_trans_2.
Pfam, PF00535; Glycos_transf_2; T.
Complete proteome; Transferase.
SEQUENCE 328 AA; 38246 MM; GIB3BCA2669F
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                                                                                                                                PRT;
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Science 307:1463-1465(2005).
                                                                                                                               Q7R5R4 GIALA PRELIMINARY;
Q7R5R4;
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Q\u00e4L988 \u00e4
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Matches 6; Conservative
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                                     242 RHCRVAIVSIC 252
                 1 RLCRIVVIRVC 11
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MEDLINE=99412319; PubMed=10482554;
MEDLINE=99412319; PubMed=10482554;
Isegawa Y., Mukai T., Nakano K., Kagawa M., Chen J., Mori Y.,
Sunagawa T., Kawanishi K., Sashihara J., Hata A., Zou P., Kosuge H.,
Yamanishi K.;
"Comparison of the complete DNA sequences of human herpesvirus 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                           "Human herpesvirus 6B genome sequence: coding content and comparison with human herpesvirus 6A.";
J. Virol. 73:8040-8052(1999).
EMBL; AF157706; AAD49648.1; -; Genomic_DNA.
InterPro; IPR007626; Herpes_U34.
Ffam; PF04541; Herpes_U34; I.
SEQUENCE 276 AA; 31440 MW; FA1956D7BEBBE85A CRC64;
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Pfam; PF04541; Herpes U34; 1.
SEQUENCE 276 AA; 31526 MW; 550EC78160E3790C CRC64;
                                                                                                                                                                                                                                              Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
Betaherpesvirinae; Roseolovirus.
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                                                                                                                                           01-MAY-2000 (TrEMBLrel. 13, Created)
01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
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Last annotation update)
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J. Virol. 73:8053-8063(1999).
EMBL; A8021506; BAA78255.1; -; Genomic_DNA.
PIR; T43994; T43994.
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                                                                                                               PRT;
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MEDLINE=99412318; PubMed=10482553;
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NCBI_TaxID=32604;
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                                                                                                            Q9QJ35 9BETA PRELIMINARY;
Q9QJ35;
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Q9WT30;
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1 RLCRIVVIRVC 11
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Best Local Similarity
Matches 4; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -1- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is preliminary data.

EMBL, FACE010000004; EAA42578.1; -; Genomic DNA.

SEQUENCE 316 AA; 35086 MW; 1357988CCF7D9CB3 CRC64;
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Bacteroidaceae; Bacteroides
                                                                                                                                                 GLP 487 15862 14912.
Giardia lamblīa ATCC 50803.
Bukaryota, Diplomonadida, Hexamitidae, Giardiinae, Giardia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           58.1%; Score 36; DB 2; Length 328; 50.0%; Pred. No. 3.1e+02; ive 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           58.1%; Score 36; DB 2; Length 316; 50.0%; Pred. No. 3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                Olsen G.J., Sogin M.L.;
"Draft sequence of the Giardia lamblia genome.";
Submitted (MAR-2003) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Putative LPS biosynthesis related glycosyltransferase.
OrderedLocusNames=BF3458;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                61B3BCA2669F0038 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bacteroides fragilis (strain ATCC 25285 / NCTC 9343).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-FEB-2005 (TrEMBLrel. 29, Created)
01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
                                                       01-WAR-2004 (TrEMBLrel. 26, Created)
01-WAR-2004 (TrEMBLrel. 26, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
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316 AA
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Science 300:1566-1569(2003)
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                                                                                                                                                                                                                                        RESULT 58
Q8T2Q6 DIC
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Submitted (JUN-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                    Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
NCBI_TaxID=6239;
                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Oryza sativa (japonica cultivar-group).
Bukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae;
Ehrhartoideae, Oryzeae, Oryza.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Wing R.A., Yu Y., Soderlund C., Chen M., Kim H.-R., Rambo T., Saski C., Henry D., Oates R., Simmons J.; Submitted (MAX-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The Rice Chromosome 10 Sequencing Consortium; "In-depth view of structure, activity, and evolution of rice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OBL535_ORYSA PRELIMINARY; PRT; 364 AA.
QBL535,
01-OCT-2002 (TrEMBLrel. 22, Created)
01-OCT-2002 (TrEMBLrel. 22, Last sequence update)
01-OCT-2005 (TrEMBLrel. 29, Last annotation update)
Hypothetical protein OSJNBb0072F04.13 (Hypothetical protein OSJNBb0072F04.13 (Hypothetical protein OSJNBb0072F04.13)
                                                                                                                                                                                                                                                    The C. elegans sequencing consortium;
"Genome sequence of the nematode C. elegans: a platform for
                                                                                                                                                                                                                                                                                                                                                                                       58.1%; Score 36; DB 2; Length 344; 50.0%; Pred. No. 3.3e+02; ive 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                 01-NOV-1999 (TrEMBLrel. 12, Created)
01-NOV-1999 (TrEMBLrel. 12, Last sequence update)
01-UUN-2003 (TrEMBLrel. 24, Last annotation update)
Hypothetical protein K06G5.3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Name=OSJNAb0072F04.7; ORFNames=OSJNBb0072F04.13;
                                                                                                                                                                                                                NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
STRAIN=Bristol N2;
MEDLINE=99069613; PubMed=9851916;
                                                                              344 AA
                                                                                                                                                                                                                                                                                                                    Ensembl; K06G5.3; Caenorhabditis elegans.
WormBase; WBGene00010607; K06G5.3.
WormPep; K06G5.3; CE18853.
                                                                                                                                                                                                                                                                                             EMBL; Z81565; CAB04580.1; -; Genomic_DNA.PIR; T23374; T23374.
                                                                             PRT;
                                                                                                                                                                                                                                                                                   Science 282:2012-2018(1998).
                                                                             Q9XUUO_CAEEL PRELIMINARY;
                   284 RICRIVIFYKCK 295
                                                                                                                                                                                                                                                                                                                                                                                                                5; Conservative
1 RLCRIVVIRVCR 12
                                                                                                                                                         Caenorhabditis elegans.
                                                                                                                                                                                                                                                                         investigating biology."
                                                                                                                                                                                                                                                                                                                                                                                                                                     2 LCRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                           55 LCEIIVSKIC 64
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Best Local Similarity
Matches 5; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                chromosome 10.";
                                                     RESULT 56
Q9XUUO_CAE
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Bichinger L., Pachebat J.A., Gloeckner G., Rajandream M.-A.,
Bucgang R., Berriman M., Song J., Olsen R., Szafranski K., Xu Q.,
Tunggal B., Kummerfeld S., Madera M., Konfortov B.A., Rivero F.,
Bankier A.T., Lehmann R., Hamlin N., Davies R., Gaudet P., Fey P.,
Picher K., Chen G., Saundere D., Sodergren E., Davis P.,
Rethornou A., Nie X., Hall N., Anjard C., Hemphill L., Bason N.,
Rethornou A., Nie X., Hall N., Anjard C., Hemphill L., Bason N.,
Rethornou A., Moser E., Morio T., Rost R., Churcher C.,
Cooper J., Haydock S., Van Driessche N., Cronin A., Goodhead I.,
Muzny D., Mourier T., Pain A., Lu M., Harper D., Lindsay R.,
Hauser H., James K., Quiles M., Mohan M.B., Saito T., Buchrieser C.,
Mardroper A., Felder M., Thangavelu M., Johnson D., Knights A.,
Loulseged H., Mungall K., Oliver K., Price C., Quail M.A.,
Urushihara H., Hernandez J., Rabbinowitsch E., Steffen D., Sanders M.,
Sugano S., White B., Walker D., Woodward J., Winckler T., Tanaka Y.,
Shaulsky G., Schleicher M., Wenstrock G., Rosenthal A., Cox E.C.,
Millams J., Dean P.H., Noegel A.A., Barrell B., Kuspa A.;
Mature O.O. (2005).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=AX4;
Gloeckner G., Eichinger L., Szafranski K., Pachebat J., Dear P.,
Lehmann R., Baumgart C., Parra G., April J.F., Guigo R., Kumpf K.,
Tunggal B., Cox E., Quail M.A., Platzer M., Rosenthal A., Noegel A.A.;
"Sequence and Analysis of Chromosome 2 of Dictyostelium.";
Submitted (MAR-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                             J., Yuan Q.;
databases.
                                                                                                                                                                                                                                                                                                                                                                           Length 364;
                                                                                                                                                                                                                                                                                                                                           Score 36; DB 2; Length 30*
Pred. No. 3.48+02;
2; Indels
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SEQUENCE 379 AA; 43303 MW; D5267F8CC7F95ABE CRC64;
                                                                                                                                                                                                                                                                      Hypothetical protein.
SEQUENCE 364 AA; 40276 MW; 2620285B852A706E CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Dictyostellum discoideum (Slime mold).
Eukaryota, Mycetozoa, Dictyostellida, Dictyostellum
NCBI_TaxID=44689;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-0TN-2002 (TrEMBLrel. 21, Created)
01-UUN-2002 (TrEMBLrel. 21, Last sequence update)
10-MAY-2005 (TrEMBLrel. 30, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL; AC116305; AAL92250.1; -; Genomic DNA.
EMBL; AAF101000028; EAL69898.1; -; Genomic DNA.
GO; GO:0016740; F: transferase activity; IEA.
GO; GO:0008654; P: phospholipid biosynthesis; IEA.
InterPro; IPR00462; CDP-OH P trans.
PROSITE; PS00379; CDP ALCOHOL P TRANSF; 1.
                                                      Buell C.R., Wing R.A., McCombie W.R., Messing Submitted (MAY-2003) to the EMBL/GenBank/DDBJ EMBL, AC092553; AAM23247.1; -; Genomic_DNA. EMBL, AC122147; AAM47618.1; -; Genomic_DNA. EMBL, AE017053; AAP51985.1; -; Genomic_DNA. Gramene; QBL535; -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              379 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRT;
                                                                                                                                                                                                                                                                                                                                                                        / Match 58.1%;
Local Similarity 54.5%;
hes 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   QBT2Q6_DICDI PRELIMINARY;
Q8T2Q6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            162 RLCRRVLVDLC 172
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[4]
NUCLEOTIDE SEQUENCE
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between the Swiss Institute of Bioinformatics and the EMBL outstation -the European Bioinformatics Institute. There are no restrictions on its use as long as its content is in no way modified and this statement is not

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"sn-1,2-diacylglycerol choline- and ethanolaminephosphotransferases in
"sn-1,2-diacylglycerol choline- and ethanolaminephosphotransferases in
"sn-1,2-diacylglycerol choline- and ethanolamine of the CPT1 and EPT1
gene products.";
J. Biol. Chem. 266:4357-4365(1991).
-!-FUNCTION: Involved in protein-dependent process of phospholipid
-!-FUNCTION: Involved in protein-dependent process of phospholipid
surface. The multiple transmembrane domains and lumenal
hydrophilic domains of the ethanolaminephosphotransferase might
participate in the transport process. EPT1 catalyzes both choline-
and ethanolamine-phosphotransferase reactions.
-!-CATALYTIC ACTIVITY: CDP-ethanolamine + 1,2-diacylglycerol = CMP +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STRAIN-S288C / AB972;
MEDLINE-9478003; PubMed-8091229;
Johnston M., Andraws S., Brinkman R., Cooper J., Ding H., Dover J.,
Johnston M., Andraws S., Brinkman R., Gattung S., Geisel C., Kirsten J.,
Kucaba T., Hillier L.W., Jier M., Johnston L., Langston Y.,
Latraille P., Louis E.J., Macri C., Mardis E., Menezes S., Mouser L.,
Nhan M., Rifkin L., Riles L., St Peter H., Trevaskis E., Vaughan K.,
Vignati D., Wilcox L., Wohldman P., Materston R., Wilson R.,
                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hjelmstad R.H., Bell R.M.;
"sn.l,2-diacylglycerol choline- and ethanolaminephosphotransferases Saccharomyces cerevisiae. Nucleotide sequence of the EPT1 gene and comparison of the CPT1 and EPT1 gene products.";
J. Biol. Chem. 266:5094-5103(1991).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          "Complete nucleotide sequence of Saccharomyces cerevisiae chromosome
                                                                                                                                                                                                                                                                                                                      Saccharomyces cerevisiae (Baker's yeast).

Eukaryota; Fungi; Ascomycota; Saccharomycetes; Saccharomycetales; Saccharomycetales; Saccharomycetales; Saccharomyces.
                                        ö
   Length 379;
                                    2; Indels
                                                                                                                                                                                                                               01-AUG-1991 (Rel. 19, Created)
01-FEB-1995 (Rel. 31, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Ethanolaminephosphotransferase (EC 2.7.8.1) (ETHPT).
Name-EPT1; OrderedLocusNames-YHR123W;
Score 36; DB 2; I
Pred. No. 3.6e+02;
4; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUCLEOTIDE SEQUENCE (LARGE SCALE GENOMIC DNA)
                                                                                                                                                                                                  391 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                 STRAIN=DBY746;
MEDLINE=91161601; PubMed=1848238;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=91154238; PubMed=1847919;
 58.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Science 265:2077-2082(1994).
                                    Conservative
                                                                                            :|| :| |:|:
288 VCRCIVQRICQ 298
                                                                                                                                                                                                STANDARD;
                                                                        2 LCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE.
 Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CHARACTERIZATION.
                                                                                                                                                                                          EPT1 YEAST P22140;
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EPT1_YEAST
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                         EMBL; M59311; AAA63572.1; -; Genomic_DNA.

PIR, S48967; S48967.

GermOnline; 139440; -.

Ensembl; YRR123W; Saccharomyces cerevisiae.

Ensempl; YRR123W; Saccharomyces

PEROSITE; PERO379; CDP-OH P trans.

PROSITE; PERO379; CDP ALCOHOL P TRANSF; 1.

Complete proteome; Endoplamic reticulum; Membrane; Microsome; Multifunctional enzyme; Phospholipid biosynthesis; Transferase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Drosophila melanogaster (Fruit fly).
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Ephydroidea; Drosophilidae; Drosophila.
NCBI_TaxID=7227;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 391;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1; Indels
                                                                                                                                                                                                                                                                                                                                       Potential.
Potential.
Potential.
Potential.
Cytoplasmic (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                              038942A7FB9EB580 CRC64;
                                                                                                                                                                                                                                                                                                          Cytoplasmic (Potential)
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Last annotation update)
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C -> S (in Ref. 1).
                                                                                                                                                                                                                                                                          (Potential)
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Pred. No. 3.7e+02;
4; Mismatches 1;
                                                                                                                                                                                                                                                                                             Potential
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      98 C
44560 MW;
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50.0%;
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Q9V5B0; Q95SK9;
01-MAY-2000 (TYEMBLYE1. 13,
01-MAY-2000 (TYEMBLYE1. 13,
10-MAY-2005 (TYEMBLYE1. 30,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity 50.0
nes 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        327 LCQIVLYKIC 336
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      391 AA;
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-!- SIMILARITY: Belongs to the CDP-alcohol phosphatidyltransferase

class-I family.

-!- SUBCELLULAR LOCATION: Integral membrane protein. Microsomal

inhibited by

a phosphatidylethanolamine. CATALYTIC ACTIVITY: CDF-choline + 1,2-diacylglycerol = CMP + a

:

phosphatidylcholine. COFACTOR: Phospholipid. ENZYME REGULATION: Requires a divalent cation activator, and

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InterPro; IPRO06658; 2Fe28 fd BS.
InterPro; IPRO01967; Znf NFX1.
InterPro; IPRO01965; Znf PHD.
InterPro; IPRO01941; Znf PHD.
InterPro; IPRO01841; Znf PHD.
Pfam; PF01422; zf-NF-X1; S.
SWART; SW00438; ZnF NFX; 7.
PROSITE; PS00197; ZFE2S FERREDOXIN; UNKNOWN_1.
PROSITE; PS50089; ZF PHD 1; UNKNOWN_1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Serine/threonine-protein kinase; Transferase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    58.1%;
45.5%;
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Q7F803;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |:||: ::||
130 RVCRVFIRQVC 140
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       446 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NCBI_TaxID=39947;
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Harris N.L., Harvey D.A., Heiman T.J., Hernandez J.R., Houck J.,
Hostin D., Houston K.A., Hewland T.J., Wei M.-H., Ibegwam C.,
Jalali M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A.,
Kimmel B.E., Kodira C.D., Kraft C., Kravitz S., Kulp D., Lai Z.,
Lasko P., Lei Y., Levitsky A.A., Li J.H., Li Z., Liang Y., Lin X.,
Liu X., Mattei B. McIntosh T.C., McLeod M.P., McPherson D.,
Merkulov G., Mishina N.V., Mobarry C., Morris J., Moshrefi A.,
Mount S.M., Moy M., Murphy B., Murphy D.M., Nelson D.L.,
Nelson D.R., Nelson K.A., Nixon K., Nusskern D.R., Pacleb J.M.,
Nelson D.R., Nelson K.S., Pan S., Pollard J., Puri V., Rese M.G.,
Reinert K., Remington K., Saunders R.D.C., Scheeler F., Shen H.,
Spier E., Siden Krämos I., Simpson M., Skupski M.F., Smith T.,
Shue B.C., Siden Krämos I., Simpson M., Strong R., Sun E.,
Svirskas R., Tector C., Turner R., Venter E., Wang A.H., Wang X.,
Walliams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q.A.,
Walliams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q., A.,
Milliams S.M., Woodage T., Worley K.C., Wu D., Yang S., Yao Q., A.,
A. Cheng X.A., Myers E.W., Zaveri J.S., Zhan M., Zhou X., Zhu X., Smith H.O.,
Gibbs R.A., Myers E.W., Rubin G.M., Venter J.C.,
The Genome sequence of Drosophila melanogaster.",
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MEDLINE=22450655; PubMed=12537568; MEDLINE=22450655; PubMed=12537568; MEDLINE=22450655; PubMed=12537568; Celniker S.E., Wheeler D.A., Krommiller B., Carlson J.W., Halpern A., Patel S., Adams M., Champe M., Dugan S.P., Frise E., Hodgson A., George R.A., Hoskins R.A., Laverty T., Muzny D.M., Nelson C.R., Pacleb J.M., Park S., Pfeiffer B.D., Richards S., Sodergren E.J., Svirskas R., Tabor P.E., Wan K., Stapleton M., Sutton G.G., Venter C., Weinstock G., Scherer S.E., Myers E.W., Gibbs R.A., Rubin G.M., Finishing a whole-genome shotgun: release 3 of the Drosophila
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=22426070; PubMed=12537573; Kaminker J.S., Bergman C.M., Kronmiller B., Carlson J.W., Svirskas R., Patel S., Frise E., Wheeler D.A., Lewis S.E., Rubin G.M., Ashburner M., Celniker S.E.; "The transposable elements of the Drosophila melanogaster euchromatin:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDINE 22426069; PubMed=12537572; Matthews B.B., Campbell K.S., Misra S., Crosby M.A., Mungall C.J., Matthews B.B., Campbell K.S., Hradecky P., Huang Y., Kaminker J.S., Milburn G.H., Prochnik S.E., Smith C.D., Tupy J.L., Whitfield E.J., Bayraktaroglu L., Berman B.P. Bettencourt B.R., Celniker S.E., de Grey A.D.N.J., Drysdale R.A., Harris N.L., Richter J., Russo S., Schroeder A.J., Shu S.Q., Stapleton M., Yamada C., Ashburner M., Gelbart W.M., Rubin G.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUCLEOTIDE SEQUENCE.
Berkeley Drosophila Genome Project;
Celniker S., Carlson J., Wan K., Pfeiffer B., Frise E., George R.,
Hoskins R., Stapleton M., Pacleb J., Park S., Svirskas R., Smith E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          STRAIN-Berkeley;
Stapleton M., Brokstein P., Hong L., Agbayani A., Carlson J.,
Champe M., Chavez C., Dorsett V., Farfan D., Frise E., George R.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Annotation of the Drosophila melanogaster euchromatic genome: a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "Drosophila melanogaster release 4 sequence.";
Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             a genomics perspective.";
Genome Biol. 3:RESEARCH0084.1-RESEARCH0084.20(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              systematic review.";
Genome Biol. 3:RESEARCH0083.1-RESEARCH0083.22(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             melanogaster euchromatic genome sequence.";
Genome Biol. 3:RESEARCH0079-RESEARCH0079(2002).
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Gonzalez M., Guarin H., Li P., Liao G., Miranda A., Mungall C.J.,
A Nunco J., Pacleb J., Paragas V., Park S., Phouanenavong S., Wan K.,
A Yu C., Lewis S.E., Rubin G.M., Celniker S.;
Submitted (OCT-2001) to the RBBJ/GenBank/DDBJ databases.
C. -! CATALYTIC ACTIVITY: ATP + a protein = ADP + a phosphoprotein.
C. -! SIMILARITY: Belongs to the Ser/Thr protein kinase family.
REMBJ, AE003832; AAF5896.3; -; Genomic_DNA.
REMBJ, AX060726; AAL28274.1; -; mRNA.
RSP; P49137; INV3.
R Flybase; EBGn0033441; CG1776.
GO; GO:0007015; P:actin filament organization; IMP.
GO; GO:0003360; P:regulation of cell shape; IMP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Similar to Arabidopsis thaliana chromosome V Pl MJJ3; MJJ3.6.
Oryza sativa (japonica cultivar-group).
Oryza, Viridiplantae; Streptophyra; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GO; GO:0005634; C:nucleus; IEA.
GO; GO:000151; C:ubiquitin ligase complex; IEA.
GO; GO:00046872; F:metal ion binding; IEA.
GO; GO:0003700; F:transcription factor activity; IEA.
GO; GO:0004842; F:ubiquitin-protein ligase activity; IEA.
GO; GO:0004870; F:zinc ion binding; IEA.
GO; GO:0016567; P:protein ubiquitination; IEA.
GO; GO:0006555; P:regulation of transcription, DNA-dependent; IEA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 36; DB 2; Length 446;
Pred. No. 4.1e+02;
4; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sasaki T., Matsumoto T., Yamamoto K.;
Submitted (JUN-2000) to the EMBL/GenBank/DDBJ databases.
EMBL; AP002539; BAB08195.2; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      50282 MW; D9ED201F7896A2B4 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               InterPro; 1PR000119; Prot kinase.
InterPro; 1PR002271; Ser thr pkin AS.
InterPro; 1PR001245; Ser thr pkin AS.
InterPro; 1PR001245; Tyr pkinase.
Pfam; PF00069; Pkinase; 1.
Probom; PR000001; Prot kinase; 1.
SMART; SM00220; S TKC; 1.
SMART; SM00219; TyrKC; 1.
PROSITE; PS00107; PROTEIN KINASE ATP; UNKNOWN 1.
PROSITE; PS00107; PROTEIN KINASE DOM; 1.
PROSITE; PS00108; PROTEIN KINASE ST; 1.
ATP-binding; Kinase; Nucleotide-binding;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      708 AA.
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Matches

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NUCLECATIDE SEQUENCE.
RA TOROU-Fujimori N., Takahashi M., Onodera H., Kikuta H., Koshida S.,
Torou-Fujimori N., Takahashi M., Onodera H., Kikuta H., Koshida S.,
Takada H., Yamasu K.;
The zebrafish Danio rerio.";
The zebrafish Danio rerio.";
The Zebrafish Danio rerio.";
The Sepr. Patterns 2:183:188 (2002).
The RESP: Q9UQH9; 152-362, 461-757.
The RESP: Q9UQH9; 152-362, 461-757.
The SERS: Q8NYP3; 152-362, 461-757.
The RESP: Q9UQH9; 152-162.
The RESP: Q9UQH9; 152-162.
The Colonoda Proposition amino acid phosphorylation; IEA.
The REPP: PRO1019; Prote kinase.
The REPP: PRO1019; Tyrkinase.
The REPP: PRO1019; Tyrkinase.
The RESP: SMO0109; Tyrkinase.
The RESP: SMO0109; Tyrkinase.
The RESP: SMART; SMO019; Tyrkinase.
The RESP: SMART; SMO019; PROTEIN KINASE ATP; 1.
The RESP: PSO0111; PROTEIN KINASE TYR; 1.
                                                                                                                                                                        Brachydanio rerio (Zebrafish) (Danio rerio).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
Cyprinidae; Danio.
NCBI_TaxID=7955;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Brachydanio rerio (Zebrafish) (Danio rerio).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
Cyprinidae; Danio.
NCBI_TaxID=7955;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE 815 AA; 91243 MW; 9E6D4D1CFEF6D56C CRC64;
                                                                  01-WAR-2003 (TrEMBLrel. 23, Created)
01-WAR-2003 (TrEMBLrel. 23, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-0CT-2002 (TrEMBLrel. 22, Created)
01-0CT-2002 (TrEMBLrel. 22, Last sequence update)
01-0CT-2004 (TrEMBLrel. 26, Last annotation update)
Fibroblast growth factor receptor 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 58.1%; Score 36; DB 2; I
50.0%; Pred. No. 7.3e+02;
tive 3; Mismatches 2;
                               815 AA
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                               PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRT;
                        QBAYP3_BRARE PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          QBJG38 BRARE PRELIMINARY;
Q8JG38;
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tes 5; Conserv
                                                                                                                                  FGFR2c precursor.
Name=fgfr2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Signal.
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                                                   QBAYP3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUB-Embryo;
RA Tonou-Fujimori N., Takahashi M., Onodera H., Kikuta H., Koshida S.,
RA Tonou-Fujimori N., Takahashi M., Onodera H., Kikuta H., Koshida S.,
Takeda H., Yamasu K.;
Takeda H., Ab04118; BAC55011.; Jakeda H., Raha,
DR GO; GO:0004011; Danio rerio.
DR SMR; Ab0524; F. ATP bintegral to membrane; IEA.
DR GO; GO:0006524; F. ATP binding; IEA.
DR GO; GO:00064812; F: Receptor activity; IEA.
GO; GO:0006481; P: Protein-tyrosine kinase activity; IEA.
DR GO; GO:0006481; P: Protein amino acid phosphorylation; IEA.
DR GO; GO:0006489; P: Protein amino acid phosphorylation; IEA.
DR GO; GO:0006489; P: Protein amino acid phosphorylation; IEA.
DR InterPro; IPR0011245; Tyr_pkinase.
DR InterPro; IPR001245; Tyr_pkinase.
DR InterPro; IPR001245; Tyr_pkinase.
DR InterPro; IPR001246; Tyr_pkinase.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
Cyprinidae; Danio.
                                                                                                                 Gaps
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                                                              58.1%; Score 36; DB 2; Length 708; 50.0%; Pred. No. 6.4e+02; tive 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 815;
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50.0%; Pred. No. 7.3e+02;
.ive 3; Mismatches 2; Indels
Metal-binding; Zinc, Zinc-finger.
SEQUENCE 708 AA; 77564 MW; C886DA2B927FC928 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQUENCE 815 AA; 91146 MW; A3A5DF12020F2AE3 CRC64;
                                                                                                                                                                                                                                                                                                                                            01-JUN-2003 (TrEMBLrel. 24, Created)
01-JUN-2003 (TrEMBLrel. 24, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
Fibroblast growth factor receptor 2b precursor.
                                                                                                                                                                                                                                                                                                       815 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Name=fgfr2;
Brachydanio rerio (Zebrafish) (Danio rerio).
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PROSITE; PS00107; PROTEIN KINASE ATP; 1.
PROSITE; PS50011; PROTEIN_KINASE_DOM; 1.
PROSITE; PS00109; PROTEIN_KINASE_TYR; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Potential
                                                                                                                                                                                                                                                                                                     PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pfam; PF00047; ig; 1.
PRINTS; PR00109; TYRKINASE.
SMART; SM00408; IGC2; 2.
SMART; SM00408; IGC2; 2.
SMART; SM00219; TYRKC; 1.
                                                                                                                                                                                                                                                                                                     QB05B9 BRARE PRELIMINARY;
Q805B9;
                                                                                                              5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5; Conservative
                                                                                                                                                                             387 CRLVITKSCR 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     388 CMVVIVVVCR 397
                                                                                                                                                    3 CRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3 CRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE.
                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=7955;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Receptor; Signal
                                                                Query Match
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RESULT 62
080589 BRA
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NUCLEOTIDE SEQUENCE. Kaps C., Schlombs K., Kraus B., Odenthal J., Langheinrich U., Trowe T.;

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RESULT 63

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Dujon B., Sherman D., Fischer G., Durrens P., Casaregola S.,
A Dujon B., Sherman D., Fischer G., Durrens P., Casaregola S.,
A Geffard N., Prangeul L., Adgle M., Anthousellee C., Talla E.,
Goffard N., Prangeul L., Adgle M., Anthousel V., Babour A., Barbe V.,
A Barnay S., Blanchin S., Beckerich J.-M., Beyne E., Bleykasten C.,
A Boisrame A., Boyer J., Cattolico L., Confanioleri F., de Daruvar A.,
Despons L., Fabre E., Fairhead C., Ferry-Dumzet H., Groppi A.,
A Hantraye F., Hennequin C., Jauniaux N., Joyet P., Kachouri R.,
A Kerrest A., Koszul R., Lemaire M., Lesur I., Muller H.,
Nicaud J.-M., Nikolski M., Oztas S., Ozier-Kalogeropoulos O.,
Swennen D., Tekaia F., Wesolowski-Louvel M., Westhof E., Wirth B.,
Zeniou-Meyer M., Zivanovic Y., Bolotin-Fukuhara M., Thierry A.,
A Bouchier C., Caudron B., Scarpelli C., Gaillardin C., Weissenbach J.,
T., "Genome evolution nyeasts.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sasaki T., Matsumoto T., Yamamoto K., Sakata K., Baba T., Katayose Y., Wu J., Niimura Y., Cheng Z., Nagamura Y., Antonio B.A., Kanamori H., Hosokawa S., Mauukawa M., Arikawa K., Chiden Y., Hayashi M., Okamoto M., Ando T., Aoki H., Arita K., Hamada M., Hariah G., Hijishita S., Honda M., Ichikawa Y., Idonuma A., Iijima M., Ikeda M., Ikeno M., Itoh Y., Itoh Y., Iwabuchi A., Kamiya K., Karasawa W., Katagiri S., Kikuta A., Kobayashi N., Kono I., Nagasaki H., Nakashima M., Nakawa Y., Nakamichi Y., Mukai Y., Nakamiki N., Nakamura M., Namiki N., Negishi M., Ohta I., Ono N., Saji S., Sakai K., Shibata M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Oryza sativa (japonica cultivar-group).
Bukaryota, Viridplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta; Magnoliophyta; Liliopsida, Poales, Poaceae;
Ehrhartoideae, Oryzeae, Oryza.
                                                                                                                                                                                                                   Candida glabrata (Yeast) (Torulopsis glabrata).

Eukaryota; Fungi; Ascomycota; Saccharomycotina; Saccharomycetes; Saccharomycetales; mitosporic Saccharomycetales; Candida.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               58.1%; Score 36; DB 2; Length 856; 50.0%; Pred. No. 7.6e+02; ive 3; Mismatches 2; Indels
                                                                                          05-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
similar to ri[006479 Saccharomyces cerevisiae YLR352w.
OrderedLocusNames=CAGL0B03113g;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 856 AA; 98009 MW; COADODBA3DE9E089 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
Hypothetical protein P0041E11.9.
                                                                                                                                                                                                                                                                                                                      [1]
NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA].
STRAIN=ATCC 2001 / CBS 138;
PubMed=1522952; DOI=10.1038/nature02579;
                                                    856 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       909 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; CR380948; CAG58008.1; -; Genomic_DNA.
InterPro; IPR007089; LRR_cys.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3; Mismatches
                                                    PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRT;
                                               QEFXG3 CANGA PRELIMINARY;
Q6FXG3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Q5ZEL8_ORYSA PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               :||::| | |
61 ICRVLVYRYC 70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2 LCRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nature 430:35-44(2004)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Complete proteome
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Name=P0041E11.9;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
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                                                    d
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EMBL, AR474246; AAM13447.1; Genomic RNA.

GO; GO:0019028; C:viral capsid, IEA.

GO; GO:0019031; C:viral capsid, IEA.

GO; GO:0019031; C:viral envelope; IEA.

InterPro; IFR002050; Env polyprotein.

Pfam; PF00429; TLV coat; I.L

Envelope protein; Polyprotein.

SEQUENCE 853 AA; 98201 MW; DOEE32196A43DDC1 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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0
                                                               SMR; QBGGBB; 152-362, 463-759.

Ensembl; ENSDARG0000004811; Danio rerio.

ZFN; 20016021; Clintegral to membrane; IEA.

GO; GO:0016021; Clintegral to membrane; IEA.

GO; GO:0004713; F:Proceptor activity; IEA.

GO; GO:0004713; F:proceptor activity; IEA.

GO; GO:0004672; F:receptor activity; IEA.

GO; GO:0016740; F:receptor activity; IEA.

GO; GO:0016740; F:receptor activity; IEA.

R InterPro; IPR007110; Ig-like.

InterPro; IPR007119; Prot kinase.

InterPro; IPR00715; Prot kinase.

InterPro; IPR00715; Tyr_pkinase.

InterPro; IPR001245; Tyr_pkinase.

InterPro; IPR001245; Tyr_pkinase.

InterPro; IPR001245; Tyr_pkinase.

InterPro; IPR001245; Tyr_pkinase.

InterPro; IPR001716; GY:V_pkinase.

InterPro; IPR001716; GY:V_pkinase.

InterPro; IPR001716; GY:V_pkinase.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             58.1%; Score 36; DB 2; Length 817; 50.0%; Pred. No. 7.3e+02; ive 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 58.1%; Score 36; DB 2; Length 853; Best Local Similarity 54.5%; Pred. No. 7.6e+02; Matches 6; Conservative 2; Mismatches 3; Indels
the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             817 AA; 91388 MW; 0A6D9F5412B27D69 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-JUN-2002 (TrEMBLrel. 21, Created)
01-JUN-2002 (TrEMBLrel. 21, Last sequence update)
01-JUNA-2004 (TrEMBLrel. 26, Last annotation update)
Envelope polyprotein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Feline immunodeficiency virus.
Viruses; Retroid viruses; Retroviridae; Lentivirus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    853 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Prodom; PD000001; Prot Kinase; 1.
SWART; SW00408; IGc2; 3.
SWART; SM00219; TyrKc; 1.
PROSITE; PS50815; IG LIKE; 3.
PROSITE; PS00107; PROTEIN KINASE ATP; 1.
PROSITE; PS50011; PROTEIN KINASE DOM; 1.
PROSITE; PS00109; PROTEIN KINASE DOM; 1.
Submitted (APR-2001) to the EMBL/Ge:
EMBL; AJ309303; CAC84705.1; -; mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 50.00,
                                                                                                                                                                                                                                                                                                                                                                                                                                          PRINTS; PR00109; TYRKINASE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14 9RETR
QQQSQ4_9RETR PRELIMINARY;
QQQSQ4;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      146 RNCRILTIAIC 156
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RESULT 65

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Created)
 InterPro; IPR001841; Znf_ring.
Pfam; PF00622; SPRY; 1.
Pfam; PF00097; Zf-C3HC4; 1.
SMART: SMO0449; SPRY; 1.
PROSITE; PS50089; ZF RING 2; 1.
Metal-binding; Zinc; Zinc, Finger.
                                                                                                                                     58.1%;
                                                                                                                                                                                                                                                                                                             10-MAY-2005 (TrEMBLrel. 30, 10-MAY-2005 (TrEMBLrel. 30, 10-MAY-2005 (TrEMBLrel. 30,
                                                                                                                                                                                                                                                                                   Q59DX2_DROME PRELIMINARY;
                                                                                                                                                  Local Similarity 60.0
les 6; Conservative
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1257 CKILIIRVTR 1266
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                                                                                            1284 1284
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SEQUENCE
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Shimokawa T., Shomura A., Song J., Takazaki Y., Terasawa K., Tsuji K.,
Waki K., Yamagata H., Yamane H., Yoshiki S., Yoshihara R., Yukawa K.,
Zbong H., Iwama H., Endo T., Ito H., Hahn J.H., Kim H.I., Eun M.Y.,
Yano M., Jiang J., Gojobori T.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Anopheles gambiae str. PEST.
Eukaryota, Metazoa, Arthropoda, Hexapoda, Insecta, Pterygota,
Neoptera, Endopterygota, Diptera, Nematocera, Culicoidea, Culicidae,
                                                                                                      GO; GO:0005631; C:nucleus; IEA.
GO; GO:0005631; C:nucleus; IEA.
GO; GO:000151; C:ubiquitin ligase complex; IEA.
GO; GO:0004802; F:metal ion binding; IEA.
GO; GO:000481; F:tancription factor activity; IEA.
GO; GO:000481; F:tanc ion binding; IEA.
GO; GO:000637; P:protein ubiquitination; IEA.
GO; GO:001565; P:regulation of transcription, DNA-dependent; IEA.
InterPro; IPR000567; Znf PHD.
InterPro; IPR001841; Znf PHD.
InterPro; IPR001841; Znf PHD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The Anopheles gambiae Sequence Committee;
The Anopheles gambiae Sequence Committee;
Submitted (APR-2004) to the EMBL/GenBank/DDBJ databases.
-!- SIMILARITY: Contains 1 RING-type zinc finger.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                            ;
0
                                                                                                                                                                                                                                                                                                                                                                               Score 36; DB 2; Length 909; Pred. No. 8.1e+02; 3; Mismatches 2; Indels
                                                      'The genome sequence and structure of rice chromosome 1.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      EMBL; AAB01008984; EAA15114.2; -; Genomic DNA. GO; GO:0000151; C:ubiquitin ligase complex; IEA. GO; GO:0000151; C:ubiquitin ligase complex; IEA. GO; GO:0008422; F:uetal ion binding; IEA. GO; GO:0008270; F:zinc ion binding; IEA. GO; GO:0008270; F:zinc ion binding; IEA. GO; GO:0016567; P:protein ubiquitination; IEA. InterPro; IPR003877; SPRY_receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      "Anopheles gambiae re-annotation.";
Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                PROSITE; PS00197; 2FE2S FERREDOXIN; UNKNOWN_1.
PROSITE; PS01359; ZF PHD 1; UNKNOWN_1.
PROSITE; PS50089; ZF NIG_2; 1.
HYDChetical protein; Metal-binding; Zinc; Zinc-finger.
SEQUENCE 909 AA; 99556 MW; 463938DD12E2CA11 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Last sequence update)
Last annotation update)
                                                                                EMBL; AP002521; BAD61082.1; -; Genomic_DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRAIN=PEST;
The Anopheles gambiae Sequence Committee;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-MAR-2004 (TrEMBLrel. 26, Created)
01-MAR-2004 (TrEMBLrel. 26, Last seq
01-MAR-2004 (TrEMBLrel. 26, Last ann
                                                                                                                                                                                                                                                                                                                                                                                  58.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ENSANGP0000010651 (Fragment)
ORFNames=ENSANGG00000008162;
                                                                                                                                                                                                                                                                       Pfam; PF01422; zf-NF-X1; 10.
SMART; SM00438; ZnF_NFX; 11.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q7PVF3_ANOGA PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 50.0
Matches 5; Conservative
                                                                   Nature 420:312-316(2002)
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387 CRLVITKSCR 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Anophelinae; Anopheles.
NCBI_TaxID=180454;
                                                                                                                                                                                                                                                                                                                                                                                                                                       3 CRIVVIRVCR 12
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RAMEDLINE-20196006; PubMed=10731132; DOI=10.1126/ecience.287.5461.2185; Addams M.D., Celniker S.E., Holf R.A., Evans C.A., Gocayne J.D., Addams M.D., Celniker S.E., Hill R.A., Evans C.A., Gocayne J.D., George R.A., Levis S.E., Ii P.W., Hoskins R.A., Galle R.F., Garle R.A., Levis S.E., Ii P.W., Hoskins R.A., Galle R.F., Garle G.G., Mortman J.R., Yandell M.D., Zhang O., Chen L.X., Brandon R.C., Rogers Y.-H.C., Blazel R.G., Champe M., Ffeiffer B.D., Brandon R.C., Agbayani A., An H.-J., Andrews-Pfannkoch C., Baldwin D., Rabiew R.M., Basu M., Basu H.-J., Andrews-Pfannkoch C., Baldwin D., Rabiew R.M., Basu M., Bartle R., Bouck J., Bouck J., Borckstein P., Bortler P., Bortharkov S., Borkova D.A., Butler H., Cadieu E., Center A., Chandra I., Raberon K.Y., Benos P.V., Bernan B.P., Branden E.B., Dovnes W. Dugan-Rocha S., Dunkov B.C., Dunn P., Burtis K.C., Busam D.A., Butler H., Cadieu E., Center A., Chandra I., Raboon K., Doup L.E., Downes M., Dugan-Rocha S., Punkov B.C., Dunn P., Bouck J., Gong F., Gorrell J.H., Gu Z., Guan P., Harris M.J., Harvale B., Delcher A., Doup L.E., Downes M. Caleu E., Kanison J.A., Rother D., Lai Z., Harris M.L., Haveton M.K., Hennan T.J., Hernandez J.R., Houck J., Jalai M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Ketchum K.A., Jalai M., Kalush F., Karpen G.H., Ke Z., Kennison J.A., Retchum K.A., Jalai M., Kalush F., Karpen G.H., Krayitz S., Kulp D., Lai Z., Lasko P., Leil Y., Levitsky A.A., Li J.H., Li Z., Liang Y., Lin X., Mattei B., McIntoon T.C., Murshy L., Muzny D.M., Nelson D.L., Rabiner K., Renington K.A., Musny M., Nurby L., Muzny D.M., Nelson D.L., Rabiner K., Renington K.A., Saunders R.D.C., Scheeler F., Shen H., Rapier R., Spradling A.C., Stabler E., Spadling A.C., Stabler E., Shan H., Wallsha R., Wolley R.W., Rolls C., Wu D., Yang S., Zho Q., Xang S., Palkow, Yang S., Yao Q.A., Wallsha R.A., Wassarman D.A., Weinsteck M., Wallsha R.A., Shuge B.C., Shan M., Zhong R.W., Rubin G.M., Venter E., Shan M., Zhong K.A., Myork B.W., Rubin G.M., Venter E., Shan M., Zhong R.W., Rubin G.M.
                                                                                                                                                                               Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CG33555-PA, isoform A.
Name-btsz, ORFNames-CG33555;
Drosophila melanogaster (Fruit fly).
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
                                                                                     Length 1284;
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                                                                                                                                                                           1; Indels
1284 AA; 144060 MW; 9130A53FCD4C7183 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Last sequence update)
Last annotation update)
                                                                                     Score 36; DB 2; I
Pred. No. 1.1e+03;
                                                                                                                                                                           3; Mismatches
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NCBI_TaxID=7227;
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NUCLEOTIDE SEQUENCE.
STRAIN-Bristol N2;
                                                                                                 NUCLEOTIDE SEQUENCE.
  Plasmodium berghei.
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Best Local Similarity
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                                           NUCLEOTIDE SEQUENCE.
MEDLINE=22426065; PubMed=12537568;
MEDLINE=22426065; PubMed=12537568;
Celniker S.E., Wheeler D.A., Kronmiller B., Carlson J.W., Halpern A., Patel S., Adams M., Champe M., Dugan S.P., Frise E., Hodgson A., George R.A., Hoskins R.A., Laverty T., Muzny D.M., Nelson C.R., Pacleb J.M., Park S., Pfeiffer B.D., Richards S., Sodergren B.J., Svirskas R., Tabor P.E., Wan K., Stapleron M., Sutton G.G., Venter C., Weinstock G., Scherer S.E., Myers E.W., Gibbs R.A., Rubin G.M.; Finishing a whole-genome shotgun: release 3 of the Drosophila
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       "The transposable elements of the Drosophila melanogaster euchromatin:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MUCLEOTIDE SEQUENCE.
MEDLINE=22426069; PubMed=12537572;
Mistas S., Crosby M.A., Mungall C.J., Matthews B.B., Campbell K.S.,
Haradecky P., Huang Y., Kaminker J.S., Millburn G.H., Prochnik S.E.,
Smith C.D., Tupy J.L., Whitfield E.J., Bayraktaroglu L., Berman B.P.,
Bettencourt B.R., Celniker S.E., de Grey A.D.N.J., Drysdale R.A.,
Harxis N.L., Richter J., Russo S., Schroeder A.J., Shu S.Q.,
Stapleton M., Yamada C., Ashburner M., Gelbart W.M., Rubin G.M.,
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MEDLINE=22426070; PubMed=12537573;
Kaminker J.S., Bergman C.M., Kronmiller B., Carlson J.W., Svirskas Patel S., Frise B., Wheeler D.A., Lewis S.B., Rubin G.M., Ashburner M., Celniker S.E.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Berkeley Drosophila Genome Project;
Celniker S., Carlson J., Wan K., Pfeiffer B., Frise E., George R.,
Hoskins R., Stapleton M., Pacleb J., Park S., Svirskas R., Smith E.
Yu C., Rubin G.;
"Drosophila melanogaster release 4 sequence.";
Submitted (MAR-2000) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Annotation of the Drosophila melanogaster euchromatic genome: a
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Dihydrofolate synthase/follylpolyglutamate synthase, putative.
ORFNames=PB000177.03.0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      58.1%; Score 36; DB 2; Length 1357; 50.0%; Pred. No. 1.2e+03; ive 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -i- SIMILARITY: Contains 2 C2 domains.
EMBL, ARE03706; ARX52922.1; -; Genomic_DNA.
GO; GO:0016020; C:membrane; IEA.
GO; GO:0008021; C:synaptic vesicle; IEA.
GO; GO:0005215; F:transporter activity; IEA.
GO; GO:000510; P:transporter activity; SA.
SEQUENCE 1357 AA; 149802 MW; D8B9B1B9F9A89066 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Submitted (MAR-2005) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   a genomics perspective.";
Genome Biol. 3:RESEARCH0084.1-RESEARCH0084.20(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Genome Biol. 3:RESEARCH0083.1-RESEARCH0083.22(2002).
                                                                                                                                                                                                                                                                        melanogaster euchromatic genome sequence.";
Genome Biol. 3:RESEARCH0079-RESEARCH0079(2002).
Science 287:2185-2195(2000)
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Q4YRN6;
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45 CRVCKLRVCK 54
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               systematic review.";
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Best Local Similarity
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ID Q4YRN6_PY
AC Q4YRN6_PY
DT 13-SEP-20
DT 13-SEP-20
DT 13-SEP-20
DT 13-SEP-20
DT D13-SEP-20
DT ONFNATOF
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Matches
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Gaps
                                                                                                                                      Hall N., Karras M., Raine J.D., Carlton J.M., Kooij T.W.A.,
Berriman M., Florens L., Janssen C.S., Pain A., Christophides G.K.,
James K., Rutherford K., Harris B., Harris D., Churcher C.,
Quail M.A., Ormond D., Doggett J., Trueman H.E., Mendoza J.,
Bidwell S.L., Rajandream M.A., Carucci D.J., Yates J.R., Kafatos F.C.,
Janse C.J., Barrell B., Turner C.M.R., Waters A.P., Sinden R.S.;
"A comprehensive survey of the Plasmodium life cycle by genomic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
NCBL_TaxID=6239;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MEDLINE=99069613; PubMed=9851916; DOI=10.1126/science.282.5396.2012;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                .
13
                                                                                                                                                                                                                                                                                                                                                                                          transcriptomic, and proteomic analyses.";
Science 307:82-86 (2005).
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 472;
Eukaryota; Alveolata; Apicomplexa; Haemosporida; Plasmodium.
NCBL_TaxID=5821;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The C. elegans sequencing consortium; "Genome sequence of the nematode C. elegans: a platform for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MCMULTAY A.A.; Solution of the EMBL/GenBank/DDBJ databases. Submitted (MAY-1996) to the EMBL/GenBank/DDBJ databases. EMBL; Z72510; CAA96654.1; -; Genomic_DNA. EMBL; Z72507; CAA96654.1; -; Genomic_DNA. EMBL; Z72507; CAA96654.1; JOINED; Genomic_DNA. EMBL; Z72510; CAA96654.1; JOINED; Genomic_DNA. PIR; T21064; T21064.
ENBRY, Z72510; CAA96634.1; MOINED; Genomic_DNA. Ensembl; F33B7.5; Caenorhabditis elegans. Wormbase; WGEORO0009968; F53B7.5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    preliminary data.
1, CAA101002742; CAH99321.1; -; Genomic_DNA.
IENCE 472 AA; 53985 MW; 84EF97DA2066D9A6 CRC64;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       57.3%; Score 35.5; DB 2; 50.0%; Pred. No. 5.4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Mismatches
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Pfam; PF00090; TSP 1; 1.
SMART; SM0209; TSP1; 1.
PR0SITE; PS00061; ABP_BHORT; UNKNOWN 1.
PROSITE; PS00141; ASP_PROTEASE; UNKNOWN 1.
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InterPro; IPR002601; C6.
InterPro; IPR001969; Pept Asp_AS.
InterPro; IPR000884; TSP1.
InterPro; IPR001680; WD40.
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Science 282:2012-2018(1998).
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56.5%;
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Query Match
Best Local Similarity 50.00,
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Q6IMS1;
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Q9EX49;
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nes 5; Conservative
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                                                                                                                                                                                                                  Complete proteome. SEQUENCE 38 AA;
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Q9EX49 STR
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                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Eukaryota; Metazoa; Nematoda; Chromadorea; Rhabditida; Rhabditoidea;
Rhabditidae; Peloderinae; Caenorhabditis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The C.briggsae Sequencing Consortium;
Submitted (SEP-2003) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                   1;
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                                                                                                        Score 35.5; DB 2; Length 2761;
Pred. No. 2.8e+03;
1; Mismatches 0; Indels 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 2; Length 3008;
PROSITE; PS50092; TSP1; 1.
PROSITE; PS00678; WD REPARTS 1; UNKNOWN 1.
Complete proteome; Hypothetical protein.
SEQUENCE 2761 AA; 282476 MW; DD368C3477A73068 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pred. No. 3e+03;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hypothetical protein.
SEQUENCE 3008 AA; 311802 MW; 3C082C2FD961DF5D CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bacillus cereus (strain ATCC 10987).
Bacteria, Firmicutes, Bacillales, Bacillus cereus group.
NCBI_TaxID=222523;
                                                                                                                                                                                                                                                                                                                                                                            25-OCT-2004 (TrEMBLrel. 28, Created)
25-OCT-2004 (TrEMBLrel. 28, Last sequence update)
25-OCT-2004 (TrEMBLrel. 28, Last annotation update)
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Q731NS;
Q731NS;
G5-JUL-2004 (TrEMBLrel. 27, Created)
05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
Hypothetical protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 preliminary data.

EMBJ, CAACO1001011, CAE75138.1; -; Genomic_DNA.

INCEPPO, IPR002198; ADH_short.

INCEPPO, IPR002601; C6.

INCEPPO, IPR0005409; BGF like.

INCEPPO, IPR001969; Pept Asp_AS.

INCEPPO, IPR001969; Pept TSPI.
                                                                                                                                                                                                                                                                                                                                          PRT; 3008 AA
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80.0%; Pred. No. 3e
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Pfam; PF01681; C6; 18.
Pfam; PF00090; TSP 1; 2.
SWART; SW00209; TSP1; 2.
SWART; SW00519; TSP1; 2.
PROSITE; PS00061; ADH SHORT; UNKNOWN 1.
PROSITE; PS01186; EGF 2; UNKNOWN 1.
PROSITE; PS01186; EGF 2; UNKNOWN 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Hypothetical protein CBG23067
                                                                                                        57.3%;
80.0%;
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                                                                                                                           Local Similarity 80.0 es 8; Conservative
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Matches 8; Conservative
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NUCLEOTIDE SEQUENCE.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Name=CBG23067;
                                                                                                          Query Match
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                                                                                                                                                                                                                                                                                                                                                         Q60MN8;
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Matches
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Q60MN8_CAE
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-!- MISCELLANBOUS: The sequence shown here is derived from an EMBL/GenBank/DDBA third party annotation (TPA) entry.

EMBL, BK001815; DAA02659.1; -; Genomic DNA.

SEQUENCE 131 AA, 14414 WW; 21EAE72089AA9A7A CRC64;
PubMed=14960714; DOI=10.1093/nar/gkh258;
Rasko D.A., Ravel J., Oekstad O.A., Helgason E., Cer R.Z., Jiang L.,
Shores K.A., Fouts D.E., Tourases N.J., Angluoli S.V., Kolonay J.F.,
Nelson W.C., Kolstoe A.-B., Fraser C.M., Read T.D.;
"The genome sequence of Bacillus cereus ATCC 10987; reveals metabolic
adaptations and a large plasmid related to Bacillus anthracis pXO1.";
Nucleic Acids Res. 32:977-988(2004).
EMBL; AE017277; AAS43032.1; -; Genomic_DNA.
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Hild M., Beckmann B., Haas S.A., Koch B., Solovyev V., Busold C.,
Fellenberg K., Boutros M., Vingron M., Sauer F., Hoheisel J.D.,
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Bukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Brachycera; Muscomorpha;
Biphydroidea; Drosophilidae; Drosophila.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bacteria; Actinobacteria; Actinobacteridae; Actinomycetales;
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                                                                                                                                                                                                                                                                                                                                                                                                                              Score 35; DB 2; Length 38;
Pred. No. 63;
4; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                               38 AA; 4353 MW; BA0C689ACFC36F56 CRC64;
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05-JUL-2004 (TrEMBLrel. 27, Last sequence update)
05-JUL-2004 (TrEMBLrel. 27, Last annotation update)
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01-WAR-2001 (TrEMBLrel. 16, Last sequence update)
01-WAR-2003 (TrEMBLrel. 23, Last annotation update)
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OrderedLocusNames=SC00989; ORFNames=2SCG2.02c; Streptomyces coelicolor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      131 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  134 AA.
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Bacteria; Proteobacteria; Betaproteobacteria; Burkholderiales;
Burkholderiaceae; Burkholderia; Burkholderia cepacia complex.
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Best Local Similarity
Matches 5; Conserv
                                                     NCBI_TaxID=331272;
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SEQUENCE 233 AA:
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                                                                                                                                                                                                                                                                                                                                                  STRAIN=HI2424;
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"Genomic analysis of Bacteroides fragilis reveals extensive DNA inversions regulating cell sufface adaptation.";
Proc. Natl. Acad. Sci. U.S.A. 101:14919-14924 (2004).
EMBL; AP006841; BAD49655.1; -; Genomic_DNA.
                    MEDLINE=21996410; PubMed=12000953; DOI=10.1038/417141a; MEDLINE=21996410; PubMed=12000953; DOI=10.1038/417141a; Bentluy S.D., Chater K.F., Cerdeno-Tarraga A.-M., Challis G.L., Thomson N.R., James K.D., Harris D.E., Quail M.A., Kieser H., Harper D., Bateman A., Brown S., Chandra G., Chen C.W., Collins M., Cronin A., Fraser A., Goble A., Hidalgo J., Hornsby T., Howarth S., Huang C.-H., Kieser T., Larke L., Murphy L.D., Oliver K., O'Neil S., Rabbinowitsch E., Rajandream M.A., Rutherford K.M., Rutter S., Seeger K., Saunders D., Sharp S., Squares R., Squares S., Taylor K., Warren T., Wietzorrek A., Woodward J.R., Barrell B.G., Parkhill J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                                                                                                                                                                                                                                                                                             "Complete genome sequence of the model actinomycete Streptomyces coelicolor A3(2).";
Nature 417:141-147(2002).
EMBL; AL93107; CAC14357.1; -; Genomic_DNA.
Complete protecome; Hypothetical protein.
SEQUENCE 134 AA; 14136 MW; 92A346DE3135F0BD CRC64;
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Bacteria; Bacteroidetes; Bacteroides (class); Bacteroidales;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     56.5%; Score 35; DB 2; Length 134; 66.7%; Pred. No. 2e+02; tive 1; Mismatches 2; Indels
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Hypothetical protein.
ORFNames=Bcen2424DRAFT_0677;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25-0CT-2004 (TrEMBLrel. 28, Last sequence update) 25-0CT-2004 (TrEMBLrel. 28, Last annotation update) Serine type site-specific recombinase.
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Q4LIU4;
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Q64S75;
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es 6; Conservative
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SEQUENCE 214 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=817;
                                                                                                                                                                                                                                                                           Hopwood D.A.;
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ID Q4LIU4; 98
AC Q4LIU4;
DT 13-SEP-20
DT 13-SEP-20
DT 13-SEP-20
DE HYPOTHET;
GN OFFICE CONTRIBUTION OF SEP-20
ON BURKHOLIGE CONTRIBUTION OF SEP-20
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Matches
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064877 BAC
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AC 06487
DT 25-0C

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Gaps
STRAIN=H12424;
US DOE Joint Genome Institute (JGI-PGF);
Copeland A., Lucas S., Lapidus A., Barry K., Detter C., Glavina T.,
Hammon N., Israni S., Pitluck S., Richardson P.;
"Sequencing of the draft genome assembly of Burkholderia cenocepacia
H12424.";
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                                                                                                                                                                                                                                                                                                                                                                                   cenocepacia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRAIN=UALS9 / ATCC 700610 / Serotype c;
MEDLINE=22295063; PubMed=12397186; DOI=10.1073/pnas.172501299;
Ajdic D.J., McShan W.M., McLaughlin R.B., Savic G., Chang J.,
Carson M.B., Primeaux C., Tian R., Kenton S., Jia H.G., Lin S.P.,
Qian Y., Li S., Zhu H., Najar F.Z., Lai H., White J., Roe B.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              56.5%; Score 35; DB 2; Length 225; 43.8%; Pred. No. 3.3e+02; vative 4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          56.5%; Score 35; DB 2; Length 233; 50.0%; Pred. No. 3.4e+02; ive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                     Larimer F., Land M.; "Annotation of the draft genome assembly of Burkholderia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bacteria; Firmicutes; Lactobacillales; Streptococcaceae;
                                                                                                                                                                                           Submitted (JUN-2005) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       preliminary data.

EMBL; AAHL01000078; EAM15965.1; -; Genomic_DNA.

Hypochetical protein.

SEQUENCE 225 AA; 24198 MW; 9AF17E944B3E85B9 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      233 AA; 25992 MW; F7BBF61ABF61DF18 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             OBDWC3,

OBDWC3,

01-MRR-2003 (TrEMBLrel. 23, Created)

01-MRR-2003 (TrEMBLrel. 23, Last sequence update)

01-MRR-2004 (TrEMBLrel. 26, Last annotation update)

Hypothetical protein SMU.141.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Acad. Sci. U.S.A. 99:14434-14439(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 pathogen.";
Proc. Natl. Acad. Sci. U.S.A. 99:14434-1443
EmBL, BAD14866; AAN57920.1; -; Genomic_DNA.
InterPro; IPR010699; DUF1275.
                                                                                                                                                                                                                                                                                                                        US DOE Joint Genome Institute (JGI-ORNL);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 RLCRIVVIR----VCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      :|| :|::|
24 KLCDLVILRGSTVVCR 39
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pfam; PF06912; DUF1275; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 56.5
Best Local Similarity 43.8
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5; Conservative
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MIM; 603905; -
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ö
                                                                                                                                                                                                                                                   Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Euarchontoglires, Primates, Catarrhini, Hominidae,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bukaryoča; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MEDLINE=99175482; PubMed=10074428; DOI=10.1016/S0960-9822(99)80093-1; Gurney A.L., Marsters S.A., Huang R.M., Pitti R.M., Mark D.T., Baldwin D.T., Gray A.M., Dowd A.D., Brush A.D., Heldens A.D., Schow A.D., Goddard A.D., Wood W.I., Baker K.P., Godowski P.J.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MEDLINE=99156876; PubMed=10037686; DOI=10.1074/jbc.274.10.6056; Kwon B., Yu K.-Y., Ni J., Yu G.-L., Jang I.-K., Kim Y.-J., Xing L., Liu D., Wang S.-X., Kwon B. and Jentification of a novel activation-inducible protein of the tumor necrosis factor receptor superfamily and its ligand.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and its receptor, a human ortholog of mouse GITR.", Curr. Biol. 9:215-218(1999).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (Glucocorticoid-induced TNFR-related protein) (Activation-inducible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE (ISOFORM 1), AND INTERACTIONS WITH TRAF1; TRAF2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TNR18 HUMAN STANDARD; PRT; 241 AA.
Q9YSUS; 095851; Q9NYJ9;
16-OCT-2001 (Rel. 40, Created)
16-OCT-2001 (Rel. 48, Last sequence update)
13-SEP-2005 (Rel. 48, Last annotation update)
Tumor necrosis factor receptor superfamily member 18 precursor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TNFR family receptor).
Name=TNFRSF18; Synonyms=AITR, GITR; ORFNames=UNQ319/PRO364;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 234;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                56.5%; Score 35; DB 2; Length 234
50.0%; Pred. No. 3.4e+02;
....marches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                         Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases
                                                                                                                    01-FEB-2005 (TrEMBLrel. 29, Created)
01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
Name-TNFRSF18; ORFNames=RP5-902P8.2-002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              234 AA; 25110 MW; 55DB593CD0B1DB45 CRC64;
                                                                                  234 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; AL162741; CAI23248.1; -; Genomic DNA. GO; GO:0004872; F:receptor activity; IEA.
                                                                                  PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Biol. Chem. 274:6056-6061(1999)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUCLEOTIDE SEQUENCE (ISOFORM 2)
                                                                                QST7M2_HUMAN PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RCCRVHTTRCCR 59
                                                                                                                                                                                                                                    Homo sapiens (Human).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens (Human)
                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IISSUE=Bone marrow;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                  NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                       Harrison E.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Receptor
                                                              HIMAN
                                                                                  DD COCCO ON THE PRICE OF THE PR
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the BMBL outstation the Buopean Bioinformatics Institute. There are no restrictions on its mas along as its content is in no way modified and this statement is not
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                                                                                                                                                                                                                                                                                         MEDLINE=22887296; PubMed=12975309; DOI=10.1101/gr.1293003; Clark H.F., Gurney A.L., Abaya E., Baker K., Baldwin D.T., Brush J., Chen J., Chow B., Chui C., Crowley C., Currell B., Deuel B., Dowd P., Baton D., Foster J.S., Grimadia C., Gu Q., Hass P.E., Heldens S., Huang A., Kim H.S., Klimowski L., Jin Y., Johnson S., Lee J., Lison D., Mark M.R., Robbie E., Sanchez C., Schoenfeld J., Seshagiri S., Simmons L., Singh J., Sankh W., Schoenfeld J., Vandlen R.L., Watanabe C., Wieand D., Woods K., Xie M.-H., Yansura D.G., Yi S., Yu G., Yuan J., Zhang M., Zhang Z., Goddard A.D., Wood W.I., Godowski P.J., Gray A.M.; Ahm; secreted protein discovery initiative (SPDI), a large-scale effort to identify novel human secreted and transmembrane proteins: a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         -!- INDUCTION: Up-regulated in peripherical mononuclear cells after antigen stimulation/lymphocyte activation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Kalnine N., Chen X., Rolfs A., Halleck A., Hines L., Eisenstein S., Koundinya M., Raphael J., Moreira D., Kelley T., LaBaer J., Lin Y., Phelan M., Farmer A.; "Cloning of human full-length CDSs in BD Creator(TM) system donor
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Name=2; Synonyms=GITR-D;
IsoId=Q9Y5U5-2; Sequence=VSP_006508;
TISSUE SPECIFICITY: Expressed in lymph node, peripheral blood
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 interactions between activated T lymphocytes and endothelial and in the regulation of T cell receptor-mediated cell death. Mediated NF-kappa-B activation via the TRAF2/NIK pathway SUBUNIT: Binds to TRAF1, TRAF2, and TRAF3, but not TRAF5 and
MEDLINE=20292073; PubMed=10836847; DOI=10.1038/sj.cdd.4400670; Nocentini G., Ronchetti S., Bartoli A., Spinicelli S., Delfino leruntii L., Migliorati G., Riccardi C.; "Identification of three novel mRNA splice variants of GITR."; Cell Death Differ. 7:408-410(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GO; GO:0005031; F:tumor necrosis factor receptor activity; TAS.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Signal peptide prediction based on analysis of experimentally
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SUBCELLULAR LOCATION: Type I membrane protein (isoform 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            verified cleavage sites.";
Protein Sci. 13:2819-2824(2004).
-!- FUNCTION: Receptor for TNFSF18. Seems to be involved in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 1).
                                                                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE [LARGE SCALE MRNA] (ISOFORM 1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Event=Alternative splicing; Named isoforms=2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PROTEIN SEQUENCE OF 26-40.
PubMed=15340161; DOI=10.1110/ps.04682504;
Zhang Z., Henzel W.J.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 lsoId=Q9Y5U5-1; Sequence=Displayed;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GO; GO:0006916; P:anti-apoptosis; TAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      leukocytes and weakly in spleen.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; AF125304; AAD22635.1; -; mRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 bioinformatics assessment.";
Genome Res. 13:2265-2270(2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EMBL; AF117297; AAD19694.1;
EMBL; AF241229; AAF63506.1;
EMBL; AY358877; AAG99236.1;
EMBL; BT019532; AAV38339.1;
Ensembl; ENSG00000186891; Ho
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HGNC; HGNC:11914; TNFRSF18.
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Length 241;
Score 35; DB 2; Length 271, Pred. No. 3.5e+02;
                                                                                                                                                                                                                                                        NUCLEOTIDE SEQUENCE [LARGE SCALE GENOMIC DNA]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          255 AA.
                                                                                                                      255 AA.
                             1; Mismatches
                                                                                                                                                                                          Name=nfi; OrderedLocusNames=APE0506;
Aeropyrum pernix.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRT;
                                                                                                                                                                                                                           Desulfurococcaceae; Aeropyrum
          56.5%;
50.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         QST7KS HUMAN PRELIMINARY;
QST7KS;
        Query Match
Best Local Similarity 50.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5; Conservative
                                                 1 RLCRIVVIRVCR 12
                                                                     29
                                                                                                                       STANDARD;
                                                                     48 RCCRVHTTRCCR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 CRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Magnesium; Nuclease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ||::|||
69 CRVYISRVC
                                                                                                                                                                                                                                 NCBI TaxID=56636;
                                                                                                                      NFI AERPE
Q9YESS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 removed.
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                                                                                                  RESULT 82
NFI_AERPE
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QST7KS_HUM
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                                                                                                                                                                     GAPQAAGALRSALGRALLPWQQKWVQEGGSDQRPGPCSSAA
AAGPCRRERETQSWPPSSLAGPDGVGS (in isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kalnine N., Chen X., Rolfs A., Halleck A., Hines L., Eisenstein S., Koundinya M., Raphael J., Moreira D., Kelley T., LaBaer J., Lin Y.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Donor
                                                                                                                                                              (Potential).
                                                                                                                                                                                                                                                                                                                                                             ö
       GO; GO:0007165; P:signal transduction; TAS.
InterPro; IPR001168; TWRR c6.
PROSITE; PSO062; TWRR NGFR 2; FALSE NEG.
PROSITE; PSSO050; TWRR NGRR 2; FALSE NEG.
Alternative splicing; Direct protein sequencing; Glycoprotein; Receptor; Repeat; Signal; Transmembrane.

SIGNAL
26 241 Tumor necrosis factor receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Phelan M., Farmer A.; "Cloning of human full-length CDSs in BD Creator(TM) System
                                                                                                                                                                                                                                                                                                                                       56.5%; Score 35; DB 1; Length 241; llarity 50.0%; Pred. No. 3.5e+02; Conservative 1; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                              /FTId=VSP_006508.
SQCMWPRE -> K (in Ref. 2).
90DC3B4AA7E82CBE CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases.
EMBL, BT019531; AAV38338.1; -; mRNA.
EMBL, ALIG2741; CAI23247.1; -; Genomic DNA.
GO, GO:0004872; F:receptor activity; IEA.
                                                                                        superfamily member 18.
Extracellular (Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Submitted (OCT-2004) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           241 AA; 26000 MW; 90DC3B4AA7E82CBE CRC64;
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01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Tumor necrosis factor receptor superfamily, member 18.
Name-TNFRSF18; ORFNames=RP5-902P8.2-001;
                                                                                                                      Cytoplasmic (Potential)
TNFR-Cys 1.
                                                                                                                                         TNFR-Cys 2.
TNFR-Cys 3.
N-linked (GlcNAc. . .)
                                                                                                              Potential Potential
                                                                                                                                                                                                                                                                                                          201 Si
26000 MW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    QSU014 HUMAN PRELIMINARY;
QSU014;
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1833
241
1122
146
49
86
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1134
1134
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                                                                                                                                                                                                                                                                                                          194 2
241 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Harrison E.;
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SEQUENCE
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TOPO DOM
REPEAT
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REPEAT
CARBOHYD
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DISULFID
DISULFID
VARSPLIC
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Matches
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This Swiss-Prot entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation the European Bioinformatics Institute. There are no restrictions on its
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A Kawarabayasi Y., Hino Y., Horikawa H., Bamazaki S., Haikawa Y.,
Jin-no K., Takahashi M., Sekine M., Baba S.-I., Ankai A., Kosugi H.,
Hosoyama A., Fukui S., Nagai Y., Nishijima K., Nakazawa H.,
A Yamazaki J., Kushida N., Oguchi R., Aoki K.-I., Kubota K.,
A Yamazaki J., Kushida N., Sako Y., Kikuchi H.,
"Complete genome sequence of an aerobic hyper-thermophilic
T crenarchaeon, Aeropyrum pernix Kl.";

I "Complete genome sequence of an aerobic hyper-thermophilic
T crenarchaeon, Aeropyrum pernix Kl.";

I "Complete genome sequence of an aerobic hyper-thermophilic
T crenarchaeon, Aeropyrum pernix Kl.";

I "Complete genome sequence of an aerobic hyper-thermophilic

- I- FUNCTION: Selectively cleaves double-stranded DNA at the second phosphodiester bond 3' to a deoxyinosine leaving behind the intact lesion on the nicked DNA. Acts in DNA repair (By similarity).

- I- CATALYTIC ACTIVITY: Endonucleolytic cleavage at apurinic or apyrimidinic sites to products with a 5'-phosphate.

- CONTACTOR: Magnesium (By similarity).

- I- SUBCELLULAR LOCATION: Cytoplasmic (By similarity).

- I- SIMILARITY: Belongs to the endonuclease V family.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             intact
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InterPro; IPR007581; Endonuc V.
Pfam; PF04493; Endonuclease 5; 1.
Complete proteome; DNA damage; DNA repair; Endonuclease; Hydrolase;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-FEB-2005 (Rel. 46, Created)
01-FEB-2005 (Rel. 46, Last sequence update)
10-MAY-2005 (Rel. 47, Last annotation update)
Endonuclease V (EC 3.1.21.7) (Deoxyinosine 3'endonuclease)
(Deoxyribonuclease V) (DNase V)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Archaea; Crenarchaeota; Thermoprotei; Desulfurococcales;
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STRAIN=HD100 / DSM 50701 / ATCC 15356 / NCIB 9529;
PubMed=14752164; DOI=10.1126/science.1093027;
Rendulic S., Jagtap P., Rosinus A., Eppinger M., Baar C., Lanz C.,
Schelber H., Lambert C., Evans K.J., Goesmann A., Meyer F.,
Sockett R.E., Schuster S.C.;
"A predator unmasked: life cycle of Bdellovibrio bacteriovorus from a
                                                                         ORFNames=ENSANGG00000022428;
Anopheles gambiae str. PEGT.
Bukaryota, Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota;
Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea; Culicidae;
Anophelinae; Anopheles.
NCBI_TaxID=180454;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bdellovibrio bacteriovorus.
Bacteria, Proteobacteria, Deltaproteobacteria, Bdellovibrionales,
Bdellovibrionaceae, Bdellovibrio.
NCBI_TaxID=959;
                                                                                                                                                                                                                                                                                                                                                                 The Anopheles gambiae Sequence Committee; Submitted (ARF-2004) to the BMBL/GenBank/DDBJ databases. -!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 304;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Indels
                                                                                                                                                                                                                                                                   "Anopheles gambiae re-annotation.";
Submitted (APR-2002) to the EMBL/GenBank/DDBJ databases
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 304 AA; 34033 MW; 146A225E32E54494 CRC64;
01-FEB-2005 (TrEMBLrel. 29, Created)
01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
ENSANGPO000002847 (Fragment).
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Last annotation update)
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60.0%; Pred. No. 4.4e+02;
tive 2; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; AAAB010008859; EAL40916.1; -; Genomic_DNA.
GO; GO:0010570; F:transferase activity; IEĀ.
InterPro; IPR011611; PfkB_region.
Ffam; PF00294; PfkB; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       320 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        genomic perspective.";
Science 303:689-692(2004).
EMBL; BX842648; CAE78699.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                   The Anopheles gambiae Sequence Committee;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Pfam; PF00498; FHA; 1.
Pfam; PF00990; GGDEF; 1.
SMART; SM00240; PHA; 1.
IIGRFAMS; TIGR00254; GGDEF; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             05-JUL-2004 (TrEMBLrel. 27, 05-JUL-2004 (TrEMBLrel. 27, GGDEF domain protein.
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InterPro; IPR000160; GGDEF.
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QEMPUS;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Conservative
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STRAIN=PEST;
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hes 6; Conserv
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SEQUENCE
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                                                                                                           Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-FEB-2005 (TrEMBLrel. 29, Created)
01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
Novel potassium channel tetramerisation domain protein.
Name=OTTDARPO00000004599; ORRNames=CH211-192K9.2-001;
Brachydanio rerio (Zebrafish) (Danio rerio).
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Actinopterygii; Neopterygii; Teleostei; Ostariophysi; Cypriniformes;
Cyprinidae; Danio.
NCBI_TaxID=7955;
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GO; GO:0016020; C:membrane; IEA.
GO; GO:0008076; C:voltage-gated potassium channel complex; IEA.
GO; GO:0005216; F:ion channel activity; IEA.
GO; GO:0005515; F:protein binding; IEA.
GO; GO:0005249; F:voltage-gated potassium channel activity; IEA.
GO; GO:0006813; P:potassium ion transport; IEA.
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                                                                                                                                                                                                                                                                                                                                                                   Length 255;
                                                                                                                                                                                                                                                                                                                                             56.5%; Score 35; DB 2; Length 255
50.0%; Pred. No. 3.7e+02;
wiematches 5; Indels
                                                                                                                                                                                                                             Harrison E.;
Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases.
EMBL; AL162741; CAI23346.1; -; Genomic DNA.
GO; GO:0004872; F:receptor activity; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Lovell J.;
Submitted (DEC-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                             255 AA; 26827 MW; C986652AC97AF2CC CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              271 AA; 30763 MW; C80EBA32303F61F5 CRC64;
               01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
Tumor necros factor receptor superfamily, member 18.
Tumer NRRSF18; ORFNames=RPS-90298.2-003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        304 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRT;
Created)
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InterPro; IPR003131; K_tetra.
Pfam; PR02214; K_tetra; 1.
SMART; SM00225; BTB; 1.
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Q5TTS3 ANOGA PRELIMINARY;
Q5TTS3;
                                                                                                                                                                                                                                                                                                                                                                                                       6; Conservative
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RMCECVVVRV 159
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                                                                                             Homo sapiens (Human).
                                                                                                                                                                                                           NUCLEOTIDE SEQUENCE.
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hes 6; Conserv
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                                                                                                                                                                                                                                                                                                                             SEQUENCE
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Best Loca Matches

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RESULT 85 QSTTS3 AND ID QSTTS AC QSTTS

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Gaps

Gaps

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2; Indels

4; Mismatches

56.5%; Score 35; DB 2; Length 414; 45.5%; Pred. No. 5.9e+02;

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genomic sequence of the filamentous nitrogen-fixing
                                                                                                                                                     414 AA; 47601 MW; E415AE3249E9D324 CRC64;
                  "Complete genomic sequence of the filamentous n
cyanobacterium Anabacha sp. strain PCC 7120.";
DAR Ress 8:205-213(2001).
EMBL; BA000019; BAB75191.1; -; Genomic_DNA.
PIR; AE2242; AE2242.
SCOUDLETE PICLEONE. 414 AA; 47601 MW; E415AE3249E9D324
                                                                                                                                                                                                                                            5; Conservative
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Tabata S.;
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Best Local Similarity
Matches 5; Conserv
'asuda M.,
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MEDLINE=22550858; PubMed=12663928; DOI=10.1126/science.1080029;

Xu J., Bjursell M.K., Himrod J., Deng S., Carmichael L.K.,

Chiang H.C., Hooper L.V., Gordon J.I.;

"A genomic view of the human Bacteroides thetaiotaomicron symbiosis.";

Science 299:2074-2076(2003).

EMBL; AE016921; AA076446.1; -; Genomic_DNA.

GO; GO:0016020; C:membrane; IEA.

GO; GO:0016757; F:transferase activity, transferring glycosyl. .; IEA.

GO; GO:0016757; F:transferase activity.

InterPro; IPR001554; PNAcPpept trans.

InterPro; IPR00354; PNAcPpet trans.

Frans.

PF00953; Glycos_trans.

Frans.
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01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
Undecaprenyl-phosphate alpha-N-acetylglucosaminyltransferase.
OrderedLocusNames=BT1339;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Bacteria; Bacteroidetes; Bacteroides (class); Bacteroidales;
Bacteroidaceae; Bacteroides.
                                                                                    Length 320;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DB 2; Length 368;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 35; DB 2; Leus...
Pred. No. 5.38+02;
Or Indels
                                                                                Score 35; DB 2; Length 320
Pred. No. 4.6e+02;
3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Anabaena sp. (strain PCC 7120).
Bacteria; Cyanobacteria; Nostocales; Nostocaceae; Nostoc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pfam; PF00953; Glycos transf 4; 1.
PROSITE; PS01348; MRAY 2; UNKOWN 1.
Complete proteome; Glycosyltransferase; Transferase.
SEQUENCE 368 AA; 41118 MW; 805CBBEF9E00D3C2 CRC64;
                                         320 AA; 34888 MW; 16F693750DD13330 CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-WAR-2002 (TrEMBLrel. 20, Created)
01-WAR-2002 (TrEMBLrel. 20, Last sequence update)
01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
                                                                                                                                                                                                                                                                                                                                     368 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         414 AA
                                                                                                                                                                                                                                                                                                                                                                               01-JUN-2003 (TrEMBLrel. 24, Created)
                                                                                                                                                                                                                                                                                                                                     PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bacteroides thetaiotaomicron.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          56.5%;
                                                                                  56.5%;
ilarity 54.5%;
Conservative
PROSITE; PS50887; GGDEF; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       OrderedLocusNames=alr3492;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     QBYRF6_ANASP PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                   QBA835_BACTN PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      4; Conservative
                                                                                                                                                                                                     ||||||: :: |
218 LCRIVITKLIR 228
                                                                                                                                                                            2 LCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           279 RWINRIC 286
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  4 RIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 [1]
NUCLEOTIDE SEQUENCE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE
                                                                                  Query Match
Best Local Similarity
Matches 6; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        NCBI_TaxID=103690;
                      Complete proteome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Alr3492 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NCBI_TaxID=818;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-MAR-2002
01-JUN-2003
                                         SEQUENCE
                                                                                                                                                                                                                                                                                                                 BACTN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ANASP
                                                                                                                                                                                                                                                                                                                                                          08A835
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                                                                                                                                                                                                                                                                                     RESULT 87
1084833 AC 08483
AC 08483
AC 08483
AC 08483
DT 01-00
DT 01-00
DE 
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S K B
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Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,
Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,
Mauceli E., Bouneau L., Fischer C., Ozouf-Costaz C., Bernot A.,
Micaud S., Jaffe D., Fisher S., Lutfalla G., Dossat C., Segurens B.,
Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S.,
Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B.,
Biemont C., Skalli Z., Cattolico L., Poulain J., De Beraddinis V.,
Reinaud C., Duprat S., Brottier P., Coutanceau J.P., Gouzy J.,
Parra G., Lardier G., Chaple C., McKernan K.J., McEwan P., Bosak S.,
Kellis M., Volff JN., Guigo R., Zody M.C., Mesirov J.,
Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M.,
Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C.,
Wincker P., Lander E. S., Weissenbach J., Roest Crollius H.;
"Genome duplication in the teleost fish Tetraodon nigroviridis reveals
I. Nature 431:946-957(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -1- FUNCTION: Catalyzes the formation of S-adenosylmethionine from methionine and AFP By similarity)
-1- CATALYTIC ACTIVITY: AFP + L-methionine + H(2)O = phosphate + diphosphate + S-adenosyl-L-methionine.
-1- COFACTOR: Binds 2 divalent ions, such as magnesium or cobalt, and 1 potassium ion per subunit (By similarity).
-1- PATHWAY: Activated methyl cycle.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tetraodon nigroviridis (Green puffer).

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,

Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostel,

Actinopterygii, Neopterygii, Teleostel, Euteleostel,

Acanthomorpha, Acanthopterygii, Percomorpha, Tetraodontiformes,

Tetradontoidea, Tetraodontidae, Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              [2]

WOLLDOTIDE SEQUENCE.
Genoscope; Whitehead Institute Centre for Genome Research;
Submitted (FEB-2004) to the EMBL/GenBank/DDBJ databases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             -: SIMILARITY: Belongs to the AdoMet synthetase family.

EMBL; CAAE01014705; CAG03019.1; -; Genomic_DNA.

EnterPro; IPR002133; S-AdoMet synt.

Pfam; PF002772; S-AdoMet synt.

Pfam; PF00473; S-AdoMet synt.

Pfam; PF00478; S-AdoMet synt.

IGREP: PIRSF000497; MAT; 1.

IGREPAMS; IGR01034; metk; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -!- CAUTION: The sequence shown here is derived from an
                                                                                                                                                                                                                                                                                                  13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Chromosome 2 SCAF14705, whole genome shotgun sequence.
ORFNames=GSTENG00022288001;
                                                                                                                                                                                                                      441 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PROSITE; PS00376; ADOMET SYNTHETASE 1; 1.
                                                                                                                                                                                                                      PRT;
                                                                                                                                                                                                             Q4S8L3 TETNG PRELIMINARY;
Q4S8L3;
82 RLCRLLWVKPC 92
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 preliminary data.
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NUCLEOTIDE SEQUENCE
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Homo sapiens (Human).
                                         NUCLEOTIDE SEQUENCE
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              NCBI_TaxID=5874;
                                                                                                                                                                                                                                                                                                                                                                            C9orf86 protein.
Name=C9orf86;
                                                                                                                                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TISSUE=Skin;
                                                                                                                                                                                                                                                                                                 HUMAN
                                                                                                                                                                                                                                                                                    RESULT 92
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     SWRRARROS
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                                                                                                                                                                                                                                                                                                                                                                PubMed=124474919. DOI: 10.1038/nature01183; Fu G., Huang Y., Li Y., Zhu J., Feng Q., Zhang Y., Hao P., Wang S., Fu G., Huang Y., Li Y., Zhang Y., Hao P., Zhang Y., Zhao Q., Ying K., Yu S., Tang Y., Weng Q., Zhang L., Lu Y., Mu J., Lu Y., Zhang L.S., Yu Z., Fan D., Liu X., Lu T., Li C., Wu Y., Sun T., Lei H., Li T., Hu H., Guan J., Wu M., Zhang R., Zhou B., Chen Z., Chen L., Jin Z., Wang R., Yin H., Cai Z., Ren S., Lv G., Gu W., Zhu G., Tu Y., Jia J., Zhang Y., Chen J., Kang H., Chen X., Shao C., Sun Y., Hu Q., Zhang Y., Lan L., Lin G., Sheng H., Gu J., Chen S., Ni L., Zhu F., Chen W., Lan L., Lai Y., Cheng Z., Gu M., Jiang J., Li J., Hong G., Xue Y., Han B.;
                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
                                                                                                                                                                                                                                                                                 Oryza sativa (japonica cultivar-group).
Wkaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Ehrhartoideae, Oryzeae, Oryza.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gramene; Q7XQNO; -.
Gramene; Q7XQNO; -.
GO; G0:0016021; C:integral to membrane; IEA.
GO; G0:00160219; F:amino acid-polyamine transporter activity; IEA.
GO; GO:0006065; P:amino acid transport; IEA.
GO; GO:0006065; P:rransport; IEA.
GO; GO:0006010; P:rransport; IEA.
                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bukaryota; Alveolata; Apicomplexa; Piroplasmida; Theileriidae;
ATP-binding; Magnesium; Metal-binding; Nucleotide-binding; One-carbon metabolism; Potassium; Transferase. SEQUENCE 441 AA; 48551 MW; 98452C1A1ECE45E3 CRC64;
                                                   Length 441;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 466;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       56.5%; Score 35; DB 2; Length 466
55.6%; Pred. No. 6.5e+02;
                                                  56.5%; Score 35; DB 2; Length 441
58.3%; Pred. No. 6.2e+02;
rative 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Pfam; PF01490; Aa_trans; 1. _
SEQUENCE 466 AA; 50746 MW; B49F6F00EC387F54 CRC64;
                                                                                                                                                                                                                  01-0CT-2003 (TrEMBLrel. 25, Created)
01-MAR-2004 (TrEMBLrel. 26, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
0SJNBa0089K21.6 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    "Sequence and analysis of rice chromosome 4.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                470 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           EMBL; AL606441; CAE03052.2; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     InterPro; IPR002422; AA/rel_permease2.
                                                                                                                                                                                            PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31, 13-SEP-2005 (TrEMBLrel. 31,
                                                                                                                   |||| |:::| |
308 RLCRRVLVQVKR 319
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Q4UFC4 THEAN PRELIMINARY;
Q4UFC4;
                                                                                                                                                                                            ORYSA PRELIMINARY;
                                                              Best Local Similarity 58.3
Matches 7; Conservative
                                                                                                     1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      371 CRVNLLRVC 379
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hypothetical protein.
ORFNames=TA15145;
                                                                                                                                                                                                                                                                                                                                                               NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Nature 420:316-320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                     NCBI_TaxID=39947;
                                                  Query Match
                                                                                                                                                                                           O7XONO C
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Q7XQN0_ORY
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1D Q4

AC Q4

DT 113

DT 113

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Krausbe=2x1865; PubMed=12477932; DOI=10.1073/pnas.242603899;
Krausberg R.L., Feingold E.A., Grouse L.H., Derge J.G.,
Klausner R.D., Colling F.S., Wagner L., Shenmen C.M., Schuler G.D.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Zeeberg B., Buetow K.H., Schaefer C.F., Bhat N.K.,
A Altschul S.F., Jordan H., Moore T., Max S.I., Wang J., Hsieh F.,
A Bromstein M.J., Usdin T.B., Tonaldo M.F., Casavant T.L., Scheetz T.E.,
A Bromstein M.J., Usdin T.B., Tonaldo M.F., Casavant T.L., Scheetz T.E.,
A Bromstein M.J., Usdin T.B., Tonaldo M.F., Carninci P., Prange C.,
A Raha S.S., Loquellano N.A., Peters G.J., Abramson R.D., Mullahy S.J.,
A Brossk S.A., McKernan K.J., Malke J.A., Gunaratne P.H.,
A Richards S., Worley K.C., Hale S., Garchard A.M., Gay L.J., Hulyk S.W.,
A Whiting M., Madan A., Young A.C., Shevchenko Y., Bouffard G.G.,
A Mhiting M., Madan A., Young A.C., Shewchenko Y., Bouffard G.G.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Butterfield Y.S.N., Krzywinski M.I., Skalska U., Smailus D.E.,
Brohnerth A., Schein J.B., Jones S.J.M., Marra M.A.;

"" "Generation and initial analysis of more than 15,000 full-length human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
STRAIN-Ankara isolate clone C9;
Pain A., Renauld H., Murphy L., Harris D.A., Quail M.A., Berriman M.,
Hall N., Barrell B.G.;
The chromosome 2 sequence of Theileria annulata.";
Submitted (APR-2005) to the EMBL/GenBank/DDBJ databases.
BMBL, CR940348; CAI74192.1; -; Genomic_DNA.
Hypothetical protein.
SEQUENCE 470 AA; 55436 MW; BEFD334708BBDC3CE CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Straubberg R.;
Submitted (PEB-2001) to the EMBL/GenBank/DDBJ databases.
-- SIMILARITY: Belongs to the small GTPase superfamily. Rab family.
-- SIMILARITY: Belongs to the small GTPase superfamily. Rab family.
-- GO, GO:0005245; AAH02945.2; -; mRNA.
-- GO, GO:0005255; F:GTP binding; IEA.
-- GO; GO:0015031; P:protein transport; IEA.
-- GO; GO:0015031; P:protein transport; IEA.
-- GO; GO:0015031; P:protein transport; IEA.
-- GO; GO:0015049; P:grase mediated signal transduction; IEA.
-- InterPro; IPR001806; Ras trinsfrmig.
-- PRINTS; PR00449; RASTRNSFRNNG.
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                                                                                                                                                                                                                                                                                                                                                                       56.5%; Score 35; DB 2; Length 470; 33.3%; Pred. No. 6.6e+02; ive 6; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Last sequence update)
Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Proc. Natl. Acad. Sci. U.S.A. 99:16899-16903(2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         477 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Created)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JUN-2001 (TrEMBLrel. 17,
01-MAR-2004 (TrEMBLrel. 26,
01-MAR-2004 (TrEMBLrel. 26,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Q9BU21 HUMAN PRELIMINARY;
Q9BU21;
                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 33.3.
Local 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |:| :: :::||
234 RVCDVMSMKICR 245
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 RECRIVVIRVOR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              and mouse cDNA sequences
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Homo sapiens (Human).
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Primates; Catarrhini; Hominidae;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUCLEOTIDE SEQUENCE.

Brown A.;

Brown A.;

Submitted (MAY-2005) to the EMBL/GenBank/DDBJ databases.

-!- SIMILARITY: Belongs to the small GTPase superfamily. Rab family.

EMBL; AL355987; CAI12686.1; -; Genomic_DNA.

GO; GO:0005525; FGTP binding; IEA.

GO; GO:0015031; P:protein transport; IEA.

GO; GO:0007264; P:small GTPase mediated signal transduction; IEA.
             Oryza sativa (japonica cultivar-group).
Bukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Ehrhartoideae, Oryzeae, Oryza.
                                                                                                                                                              Sasaki T., Matsumoto T., Katayose Y.;
"Oryza sativa nipponbare(GA3) genomic DNA, chromosome 7, BAC
clone:OS/NBBA081K20.";
submitted (MAY-2002) to the EMBL/GenBank/DDBJ databases.
-! SIMILARITY: Belongs to the UDP-glycosyltransferase family.
EMBL; AP005171; BAC83830.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                          Gramene; Q6Z4L0; -. GO GO: O016758; F: transferase activity, transferring hexosyl GO; GO: 0016758; F: transferase activity, transferring hexosyl GO; GO: 001675; P: metabolism; IEA.
InterPro; IPR002213; UDP_glucos_trans.
PF00201; UDPGT; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 35, DB 2; Length 507;
Pred. No. 7.1e+02;
3; Mismatches 2; Indels
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InterPro; IPR001806; Ras trnsfrmng.
PRINTS; PR00449; RASTRNSFRMNG.
SMRAT; SW00175; RAB; 1.
SEQUENCE 520 AA; 57397 MW; ABB2BD2287F358BF CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                PROSITE; PS00375; UDPGT; UNKNOWN 1.
Glycosyltransferase; Transferase.
SEQUENCE 507 AA; 55460 MW; C569177153540D0F CRC64;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-FEB-2005 (TrEMBLrel. 29, Created)
01-FEB-2005 (TrEMBLrel. 29, Last sequence update)
01-FEB-2005 (TrEMBLrel. 29, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 35; DB 2; I Pred. No. 7.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         OTTHUMP00000022610.
Name=RP11-216L13.9; ORFNames=RP11-216L13.9-005;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     520 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        556 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRT;
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QSTSR6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 96
Q4SYE4_TETNG
ID Q4SYE4_TETNG PRELIMINARY;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            4; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             252 CRLIIYRTC 260
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    Name=OSJNBa0081K20.6;
                                                                                                                                               NUCLEOTIDE SEQUENCE.
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Best Local Similarity
                                                                                                      NCBI_TaxID=39947;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo.
NCBI_TaxID=9606;
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MEDLINE-2022556; PubWed=10761919; DOI=10.1038/35006655;

Parkhill J., Achtman M., James K.D., Bentley S.D., Churcher C.M.,

Klee S.R., Morelli G., Basham D., Brown D., Chillingworth T.,

Davies R.M., Davis P., Devlin K., Feltwell T., Hamlin N., Holroyd Jagels K., Leather S., Moule S., Mungall K.L., Quail M.A.,

Rajandream M.A., Rutherford K.M., Simmonds M., Skelton J.,

Whitchead S., Spratt B.G., Barrell B.G., Barrell B.G.,

"Complete DNA sequence of a serogroup A strain of Neisseria
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GO:0005524; F:ATP binding; IEA.
GO:0016310; F:kinase activity; IEA.
GO:0000155; F:kwo-component sensor molecule activity; IEA.
GO:0000155; P:protein amino acid phosphorylation; IEA.
GO:0007165; P:signal transduction; IEA.
                                                                                                                                                                                                                                                                                                                                                                                                                                     Neisseria meningitidis (serogroup A).
Bacteria; Proteobacteria; Betaproteobacteria; Neisseriales;
Neisseriaceae; Neisseria.
NCBI_TaxID=65699;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                56.5%; Score 35; DB 2; Length 505; 50.0%; Pred. No. 7.1e+02; ive 3; Mismatches 3; Indels
                                                            56.5%; Score 35; DB 2; Length 477; 63.6%; Pred. No. 6.7e+02;
                                                                                                        4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SMART; SM00388; HiskA; 1.
PROSITE; PS50109; HIS_KIN; 1.
Complete proteome; Kinase.
SEQUENCE 505 AA; 56509 MW; 6CAAF8758E7AB186 CRC64;
SMART; SM00175; RAB; 1.
SEQUENCE 477 AA; 52679 MW; ABF6586658421D4E CRC64;
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                                                                                                                                                                                                                                                                                                                                 01-07T-2000 (TrEMBLrel. 15, Created)
01-0CT-2000 (TrEMBLrel. 15, Last sequence update)
01-MAR-2004 (TrEMBLrel. 26, Last annotation update)
                                                                                                                                                                                                                                                                                                 505 AA
                                                                                                          0; Mismatches
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EMBL; AL162757; CAB85029.1; -; Genomic_DNA.
                                                                                                                                                                                                                                                                                                                                                                                                Putative two component sensor kinase. OrderedLocusNames=NMA1803;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  InterPro; IPR003594; Arpbind Arpase.
InterPro; IPR005467; His Kinase.
InterPro; IPR003661; His Kina N.
Pitam; PP04518; HATPase C; 1.
Pfam; PP00512; HisKA; I.
                                                                                                                                                                                                                                                                                              PRT;
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353 KLCKIIDGNVCR 364
                                                                                  Best Local Similarity 63.6
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                6; Conservative
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Best Local Similarity
                                                                 Query Match
                                                                                                                                                                                                                                                     93
NEIMA
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Q6Z4L0 ORY
ID Q6Z4L
AC Q6Z4L
DT 05-JU
DT 05-JU
DT 05-JU
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SOW BRANCH STREET STREE

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Gaps

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4; Indels

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Length 520;

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NUCLEOTIDE SEQUENCE
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                                                                                                                                                                                                                                                                                                                                                                                  Name=AF155546;
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    SORETTA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STRAIN=PF-5;
PubMed=15980861; DOI=10.1038/nbt1110;
PubMed=15980861; DOI=10.1038/nbt1110;
PaulBen I.T., Press C., Ravel J., Kobayashi D., Myers G.S.,
Mavrodi D., DeBoy R.T., Seshadri R., Ren Q., Madupu R., Dodson R.J.,
Durkin S., Brinkac L.M., Daugherty S.C., Sullivan S.A., Rosovitz M.,
Gwinn M.L., Zhou L., Nelson W.C., Weidman J., Watkins K., Tran K.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                 Tetraodon nigroviridis (Green puffer).

Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Actinopterygii; Neopterygii; Teleostei; Buteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Tetraodontiformes;
Tetradontoidea; Tetraodontidae; Tetraodon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Genoscope; Whitehead Institute Centre for Genome Research;
Submitted (FBB-2004) to the EMBL/Genbank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an
EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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ORFNames=PPL 5233;
Pseudomonas fluorescens (strain Pf-5).
Bacteria; Proteobacteria; Gammaproteobacteria; Pseudomonadales;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           56.5%; Score 35; DB 2; Length 556; 50.0%; Pred. No. 7.7e+02; ive 3; Mismatches 3; Indels
             13-SEP-2005 (TrEMBLrel. 31, Created)
13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Chromosome 9 SCAR12081, whole genome shotgun sequence.
ORFNames-GSTENG00010371001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           556 AA; 60368 MW; FA8B07381C6E4BCB CRC64;
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EMBL, CAAGO1012081; CAF94338.1; -; Genomic_DNA.
InterPro; IPR002293; AA/rel_permease1.
InterPro; IPR004841; Permease_region.
Fransmembrane; Transport.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       573 AA.
                                                                                                                                                                                                                                                                                                                                                                                              the early vertebrate proto-karyotype.";
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                                                                                                                                                                                                                                                                                                                                                                                                            Nature 431:946-957(2004).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Q4K623 PSEFS PRELIMINARY;
Q4K623;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  379 RLCGTVLLRSCQ 390
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Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               preliminary data.
                                                                                                                                                                                       NUCLEOTIDE SEQUENCE.
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NUCLEOTIDE SEQUENCE.
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                                                                                                                                                         NCBI_TaxID=99883;
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CREATING=5708560; PubMed=11217851; DOI=10.1038/35055500; MEDLINE=2108560; PubMed=11217851; DOI=10.1038/35055500; MEDLINE=2108560; PubMed=11217851; DOI=10.1038/35055500; MEDLINE=2108560; PubMed=11217851; DOI=10.1038/3505500; METAWAR A., Fukunishi Y., Konno H., Adachi J., Fukuda S., Aarawa K., Izawa M., Nishi K., Kiyosawa H., Kondo S., Yamanaka I., Saito T., Okazaki Y., Gojobori T., Bono H., Kasukawa T., Saito R., Radota K., Matsuda H.A., Ashburner M., Batalov S., Casavant T., Fleischmann W., Gaasterland T., Gissi C., King B., Kochiwa H., Rachel P., Lewis S., Matsuo Y., Nikaido I., Pesole G., Quackenbush J., Schriml L.M., Staubli F., Suzuki R., Tomita M., Magner L., Washio T., Sakai K., Okido T., Puruno M., Aono H., Baldarelli R., Barsh G., Blake J., Boffelli D., Bojunga N., Carninci P., de Bonaldo M.F., Bronstein M.J., Bult C., Fletcher C., Fujita M., Gariboldi M., Buyons P., Marchionni L., Mashima J., Mazzarelli J., Mombaerts P., Nordone P., Ring B., Ringwald M., Rodriguez I., Sakamoto N., Sasaki H., Sato K., Schoenbach C., Seya T., Shibata Y., Storch K.-F., Whynhaw-Bonis A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S., Mannaha-Bonis A., Yoshida K., Hasegawa Y., Kawaji H., Kohtsuki S.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            the RIKEN Genome Exploration Research Group Phase I & II Team, "Analysis of the mouse transcriptome based on functional annotation of 60,770 full-length cDNAs."; Nature 420:563-573(2002).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Euarchontoglires; Glires; Rodentia; Sciurognathi;
Muridae; Murinae; Mus.
NCBI_TaxID=10090;
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                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-WAR-2003 (TrEMBLrel. 23, Created)
01-WAR-2003 (TrEMBLrel. 23, Last sequence update)
01-WAR-2004 (TrEMBLrel. 26, Last annotation update)
Mus musculus 0 day neonate skin cDNA, RIKEN full-length enriched
library, clone-4632413116 product:similar to HYPOTHETICAL 84.9 kDa
Khouri H.M., Pierson E., Pierson L. III, Thomashow L., Loper J.; "Complete genome sequence of the plant commensal Pseudomonas fluorescens Pf-5.";
Nat. Biotechnol. 23:873-878 (2005).
EMBL; CP000076; AAY94452.1; -; Genomic DNA.
SEQUENCE 573 AA; 65544 MW; FFEB2A26240A35E0 CRC64;
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                                                                                                                                                                                                                                                                                          Score 35; DB 2; Length 573; Pred. No. 7.9e+02; 1; Mismatches 0; Indels
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STRAIN=C57BL/6J; TISSUE=Skin;
The FANTOM CONSORTIUM,
                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 87.5%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    QBBHX6 MOUSE PRELIMINARY;
QBBHX6;
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552 IVVIRVCQ 559
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A Adachi J. Aizawa K. Akimura T., Arakawa T., Bono H., Carninci P., Adachi J., Aizawa K., Akimura T., Hara A., Hashizume W., Haragaki T., Hara A., Hashizume W., A Hayashida K., Hayatsu M., Hiramoto K., Hiracka T., Hirozane T., Hori F., Imotani K., Ishii Y., Itch M., Kagawa I., Kasukawa T., Kojima Y., Konno H., Kouda M., Koya S., A Katoh H., Kawai J., Kojima Y., Konno B., Konno H., Koya M., Koya S., A Kurihara C., Matsuyama T., Myazaki A., Murata M., Nakamura M., Nishi K., Nomura K., Numazaki R., Ohno M., Obsato N., Okazaki Y., Saito H., Saito H., Sakai C., Sakai K., Sakazume N., Sano H., A Sasaki D., Saito H., Shinagawa A., Shiraki T., Sogabe Y., Tagami M., Tagawa A., Takahashi F., Takaku-Akahira S., Takeda Y., Tanaka T., Toya T., Yasunishi A., Muramatsu M., Hayashizaki Y., Tamaka T., Submitted (APR-2002) to the EMBL/Genbank/DDBJ databases.
            MEDLINE=20499374; PubMed=11042159; DOI=10.1101/gr.145100; Carninci P., Shibata Y., Hayatsu N., Sugahara Y., Shibata K., Itoh M., Konno H., Okazaki Y., Muramatsu M., Hayashizaki Y., Forno H., Okazaki Y., Muramatsu M., Hayashizaki Y., Forno B., Muramation of cap-trapper-selected cDNAs to prepare full-length cDNA libraries for rapid discovery of new genes."; Genome Res. 10:1617-1630(2000).
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                                                                                                                             MEDLINE=20530913; PubMed=11076861; DOI=10.1101/gr.152600; Shibbata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P., Shibata K., Itoh M., Aizawa K., Nagaoka S., Sasaki N., Carninci P., Sumi N., Ishi Y., Nakamura S., Hazama M., Nishine T., Harada A., Yamamoto R., Mateminoto H., Sakaguchi S., Ikegami T., Kashiwagi K., Fujiwake S., Inoue K., Togawa M., Ohara B., Watahiki M., Yoneda Y., Ishikawa T., Ozawa K., Tanaka T., Matsuura S., Kawai J., Nkriki Integrated sequence analysis (RISA) system-384-format genome Res. 10:1757-1771(2000).
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Bukaryota, Metazoa; Chordata, Craniata, Vertebrata; Buteleostomi;

Actinopteryydii, Neoperygii, Teleostei, Buteleostei, Neoteleostei,

Acanthomorpha, Acanthopteryyii; Percomorpha, Tetraodontiformes;

Tetradontoidea, Tetraodontidae, Tetraodon.
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593 AA; 68267 MW; A3528A22AACABFCD CRC64;
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Chromosome 12 SCAF14993, whole genome shotgun sequence
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Pfam; PF03715; UPF0120; 1.
STRAIN=C57BL/6J; TISSUE=Skin;
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Q4RUY6;
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Dasilva C., Salanoubat M., Levy M., Boudet N., Castellano S., Anthouard V., Jubin C., Castelli V., Katinka M., Vacherie B., Biemout C., Cattolico L., Poulain J., De Berardinis V., Crudud C., Duprat G., Ertcolico L., Poulain J., De Berardinis V., Parra G., Lardier G., Chapple C., McKernan K.J., McEwan P., Bosak S., Kellis M., Volff JN., Guigo R., Zody M.C., Mesirov J., Lindblad-Toh K., Birren B., Nusbaum C., Kahn D., Robinson-Rechavi M., Laudet V., Schachter V., Quetier F., Saurin W., Scarpelli C., Wincker P., Lander E.S., Weissenbach J., Roest Crollius H., "Genome duplication in the teleost fish Tetraodon nigroviridis reveals
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-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Genoscope, Whitehead Institute Centre for Genome Research, Submitted (FBB-2004) to the EMBL/GenBank/DDBJ databases.
-!- CAUTION: The sequence shown here is derived from an EMBL/GenBank/DDBJ whole genome shotgun (WGS) entry which is
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13-SEP-2005 (TrEMBLrel. 31, Last sequence update)
13-SEP-2005 (TrEMBLrel. 31, Last annotation update)
Chromosome 13 SCAF14555, whole genome shotgun sequence.
ORFNames=GSTENG00015937001;
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, CAAE01014555; CAF98285.1; -; Genomic_DNA.
FRNCE 687 AA; 77882 MW; BBE3D218CC2AB3C4 CRC64;
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Nature 431:946-957(2004).
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Nature 431:946-957(2004).
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54.5%;
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Cationic peptide; tumour; pharmaceutical composition; cancer; treatment; leukaemia; polyoxyalkylene-modified; APO; lymphoma; multiple myeloma; breast; lung; ovary; cervix; uterus; skin; prostate; liver; colon; multidrug resistance.
                                                             Cationic peptide Bactenecin amino acid sequence.
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Abm89108 Rice abio
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New indolicidin peptide analogues - useful for, e.g. enhancing activity of antibiotic or overcoming tolerance, acquired resistance or inherent resistance of microorganisms.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tolerant, inherently resistant, or has acquired resistance to an
antibiotic agent. They can be used for killing e.g. bacteria, fungi,
parasites and viruses
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                                                              ALIGNMENTS
 ABM89108
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                                                                                                                                                                                                                                                                         Bos taurus.
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Matches
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West MHP;

Fraser JR,

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                                                                                                                         This sequence represents a cationic peptide amino acid sequence, which can be used in the pharmaceutical composition of the invention. The invention relates to a pharmaceutical composition containing at least one activated polyoxyalkylene (APO)-modified cationic peptide. The modification of peptides with APO increases their activity against tumour cells, including those with a multidrug resistant phenotype. The pharmaceutical composition can be used to treat tumours, specifically lymphoma, leukaemia, multiple myeloma, or tumours of breast, lung, ovary, cervix, uterus, skin, prostate, liver and colon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indolicidin, bactenecin, sulphate-reducing bacteria, growth inhibitor, corrosion, degradation, metal, concrete, cement, dental implant, biofilm.
Novel pharmaceutical composition containing optionally activated polyoxyalkylene-modified cationic peptides, useful for treating tumors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                           Disclosure; Page 8; 94pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Non-amidated bactenecin peptide.
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Matches 12; Conservative
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Conservative

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AAY91697 standard, peptide, 12 AA.

RESULT 2 AAY91697 ~ID AAY9

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Hancock REW,
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                                                                                                                                                                                                                                                                                                                                                                                                                                       invention relates to a method for inhibiting growth of sulphate-reducing bacteria (A) on a material (B) sensitive to corrosion or degradation, by applying to (B) a bacterium (C) that secretes a compound (1) able to inhibit growth of (A). The method is used to protect metal, concrete or cement against corrosion and degradation, but (B) can also be used to protect dental implants. (B) is present in an open or closed system (e.g. water cooling tower, liquid storage container, fuel tank, sewer or drainage system etc.) or part of a bridge or other structure. The method is more effective and less expensive than known methods for inhibiting (A), and reduces the amount of toxic chemicals released. Conventional biofilms of aerobic organisms tend to encourage growth of (A), and addition of (C) to the biofilm prevents this. A single application of (C) lasts for a long time, and (I) are produced exactly where they are required and inhibit (A) without significant impact on other organisms (this effect includes reducing resistance of (A) to conventional (B) is exactly where they are underlyind material is still protected by chiffusion of (I) from neighbouring areas
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Bactenecin; antimicrobial activity; cytostatic; antiproliferative; antiviral; antifungal; bacterial growth inhibitor; endotoxaemia; sepsis; cell proliferative disorder; anticancer agent.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                          Inhibiting growth of sulfate-reducing bacteria using other bacteria, particularly for protection of metals and concrete.
                                                                                                                                                                                   sequence represents the non-amidated bactenecin peptide. The
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 99WO-US009675
                     98US-00074037
99US-00282277
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                                                      (REGC ) UNIV CALIFORNIA
                                                                              Jayaraman A,
                                                                                                     WPI; 2000-052882/04.
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les 12; Conserv
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 3-MAY-1999;
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                                                                              Wood TK,
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                                                                                                                                 Antimicrobial peptide useful for inhibiting the growth of bacteria and as
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                                                                                                                                                                                                                                                                                                           This sequence represents a wild-type bovine bactenecin peptide
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                                                                                                                                                                                                                                            Claim 1; Page 36; 52pp; English
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Best Local Similarity
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Ψu M;
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                peptides
            derivatives, amidated variations and conservative variation. The peptides have antimicrobial, cytostatic, antiproliferative, antiviral, and antifungal activities. The antimicrobial peptides are useful for inhibiting the growth of bacterial including both gram positive and negative species including Bacherichia coli, Pseudomonas aeruginosa and Salmonella typhimurium. The peptides can be used to inhibit endotoxaemia or sepais associated disorders, such as septic shock. The peptides can also be used to inhibit the growth of a eukaryotic cell, especially an animal, neoplastic cell, in particular a glioblastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder
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                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Protection, endogenous therapeutic peptide, peptidase, conjugation, blood component, modification, succinimidyl, maleimido group, amino, hydroxyl; thiol; hormone, growth factor, neurotransmitter.
AAY67330-Y67347) derived from bactenecin, and includes analogues,
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                                                                                                                                                                                                          100.0%; Score 62; DB 3; Length 12; 100.0%; Pred. No. 0.0028;
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                                                                                                                                                                                                                                       0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                         AAB91846 standard; peptide; 12 AA.
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15-OCT-1999;
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The present invention describes a modified therapeutic peptide (I) comprising a therapeutically active amino acid region (III) and a reactive group (II) (e.g. succinimidyl and maleimido groups) attached to a less therapeutically active amino acid region (IV), which covalently bonds with amino/hydroxyl/thiol groups on blood components to form a peptidase stabilised therapeutic peptide composed of 3-50 amino acids.
(I) are useful for modifying therapeutic peptides e.g. hormones, growth factors and neurotransmitters, to protect them from peptidase activity in vivo for the treatment of various disorders. Endogenous therapeutic peptides are not suitable as drug candidates as they require frequent administration due to rapid degradation by peptidases in the body.
Modifying and attaching therapeutic peptides to albumin prevents or

Disclosure, Page 530; 733pp; English

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computations a therapeutically active amino acid region (III) and a reactive group (II) (e.g. succinimidyl and maleimido groups) attached to a less therapeutically active amino acid region (IV), which covalently bonds with amino/hydroxyl/thiol groups on blood components to form a peptidase stabilised therapeutic peptide composed of 3-50 amino acids.

[I) are useful for modifying therapeutic peptides e.g. hormones, growth factors and neurotransmitters, to protect them from peptidase activity in vivo for the treatment of various disorders. Endogenous therapeutic peptides are not suitable as drug candidates as they require frequent administration due to rapid degradation by peptidases in the body.

Modifying and attaching therapeutic peptides to albumin prevents or reduces the action of peptidases to increase length of activity (half infe) and specificity as bonding to large molecules decreases.

AAB90829 to AAB92441 represent peptides which can be used in the exemplification of the present invention
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reduces the action of peptidases to increase length of activity (half
                                                                                                                                                                                     Gaps
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               life) and specificity as bonding to large molecules decreases intracellular uptake and interference with physiological processes. AAB90829 to AAB92441 represent peptides which can be used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      present invention describes a modified therapeutic peptide (I)
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                                                                                                                                             100.0%; Score 62; DB 4; Length 12; 100.0%; Pred. No. 0.0028; ive 0; Mismatches 0; Indels
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99US-0153406P.
99US-0159783P.
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Act 12; Conservative
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                                                                                                              Sequence 12 AA;
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10-SEP-1999;
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The invention usersizes new transprant Compositions competent.

In inferior plantage the compounds of the media is capable of extending the receptor binding compounds. The media is capable of extending the preservation period past 72 hours and can provide organs with increased functionality upon transplant, animals receiving kidneys stored in the control animals creativine levels of less than half of those observed in control animals receiving kidneys stored in UW solution (defined in the specification) alone. Lower serum creatinine levels are indicative of healthier kidneys and a more preferable prognosis for the transplant patient. The media of the invention are useful for decreasing the incidence and/or severity of delayed graft function in patients receiving transplanted kidneys stored and/or treated in the media. The media may also be used in procedures such or transplant of healthier corgans leads to a decrease in chronic rejection. This sequence represents an antimicrobial defensin peptide studied in the development of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Media comprising antimicrobial polypeptides or pore forming agents and/or cell surface receptor binding compounds useful for the storage and preservation of organs prior to transplant.
                                                                                                   Transplant, antimicrobial peptide; pore forming agent; cerdioplegia; cell surface receptor binding compound; kidney transplant; cardioplegia; organ transplant; transplant rejection; defensin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention describes new transplant compositions comprising
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  100.0%; Score 62; DB 5; Length 12; 100.0%; Pred. No. 0.0028;
                                                                       Transplant media associated defensin peptide #2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 8; Page 27; 78pp; English.
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                                                                                                                                                                                                                                                                            27-JUL-2001; 2001WO-US023785.
                                                                                                                                                                                                                                                                                                          28-JUL-2000; 2000US-0221632P.
17-NOV-2000; 2000US-0249602P.
15-MAY-2001; 2001US-0290932P.
                                     (first entry)
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Best Local Similarity 100.
Matches 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-268995/31
                                                                                                                                                                                                                                                                                                                                                                               (MURP/) MURPHY C J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  transplant media
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                                                                                                                                                                                                        WO200209738-A1
                                   05-JUN-2002
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                                                                                                                                                                          Bos taurus.
     AAU91001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a vaccine comprising at least one antigen and at least one cathelicidin derived antimicrobial peptide or its derivative. The vaccine is useful for active immunization, especially of humans or animals without protection against the specific antigen. The cathelicidin derived antimicrobial peptide is useful in the preparation of an adjuvant for enhancing the immune response to at least one antigen, where the adjuvant enhances the uptake of at least one antigen, where the presenting cells (APC), and the adjuvant is added to the vaccine. The present equence represents a bovine derived linear or cyclised
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Vaccine for active immunization or for preparing an adjuvant for enhancing an immune response to at least one antigen, comprises at least one antigen and at least one cathelicidin derived antimicrobial peptide.
                                                                                                                                                                                                                                                                                                                                                            Vaccine; cathelicidin; antimicrobial; immunostimulant; immune response; antigen presenting cell; adjuvant; bovine; indolicidin.
                                                                       Gaps
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                                 100.0%; Score 62; DB 4; Length 12; 100.0%; Pred. No. 0.0028; ive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                        Bovine linear or cyclised antimicrobial dodecapeptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antimicrobial dodecapeptide, used in the vaccine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Zauner W, Buschle M,
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                                                                                                                                                                                                                     ABB07700 standard; peptide; 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-AUG-2001; 2001WO-EP009529.
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                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                      1 RLCRIVVIRVCR 12
                                                                     Conservative
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nes 12; Conserv
                                               Local Similarity
les 12; Conser
Sequence 12 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                             Synthetic
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                                 Query Match
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Gaps

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0; Indels

Bactenecin antibacterial peptide SEQ ID NO:23.

AAU91001 standard; peptide; 12 AA.

AAU91001 ID AAU9 XX

20-AUG-2002 (first entry)

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The present invention describes an antibacterial compound (I), comprising a conjugates of glycopeptide and peptidic membrane-associating elements.

(I) comprises the formula "L-W-X", where: "V = a glycopeptide moiety that inhibits peptidoglycan blosynthesis in bacteria; I = a linking group; W = conjugates the formula "L-W-X", where: "V = a glycopeptide moiety that inhibits peptidoglycan blosynthesis in bacteria; I = a linking group; W = conjugates the formula "L-W-X", where: "V = a method of treating or preventing a bacterial infection, comprising the administration of (I); and (2) use conjugates in flow the gram of (I); and (2) use conjugates in flow the gram positive and gram negative bacterial infection.

(I) are used in the manufacture of a medicament of the treatment or prevention of animal body, including both the gram positive and gram negative bacteria animal body, including both the gram positive and gram negative bacteria conjugation of staphylococcus sp., Vibrio sp., Neisseria sp., Escherichia sp., Rlebsiella csp., Hemophilus sp., Clostridium sp., Rendomonas sp., Actinomyces sp., Clostridium sp., Peradomonas sp., Actinomyces sp., Pheumococcus sp., Vibrio sp., Neisseria sp., Borrelia sp., Rlebsiella csp., Hemophilus sp., Clostridium sp., Particularly antibiotic resistant as an alternative to, or in conjunction with, antibiotic prophylaxis. (I) exposed in wound tissue; and for prophylactic use in dental treatment as an alternative to, or in conjunction with, antibiotic prophylaxis. (I) has stronger binding to bacterial membranes which have a higher proportion of membranes associated blosynthetic proteins. Vancomycin shows an enhanced antimicrobial activity upon derivatisation with (I) and is effective to treat the antibiotic resistant bacterial community in the community of the present peptides given in the community of the present in the peptides given in the constant in the constant invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Antibacterial compound, useful for the treatment of a bacterial infection by e.g. gram positive or negative bacteria, comprises a conjugate of glycopeptide and peptidic membrane-associating element.
Antibacterial; glycopeptide; peptidic membrane associating element; bacterial infection; vancomycin; peptidoglycan biosynthesis inhibition;
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                                                                                                                                   Location/Qualifiers 3. .11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Page 21; 64pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                          (ADPR-) ADPROTECH LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-471498/50.
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Best Local Similarity
                                                                                                                                                                Disulfide-bond
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                                                                                                                                                                                                                                                            10-MAY-2002
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                                                antibiotic
                                                                                            Synthetic
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ABB81257 standard; peptide; 12 AA.

RESULT 11 ABB81257 ID ABBE XX AC ABBE

ABB81257;

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The present invention describes an antibacterial compounding the present invention describes an antibacterial conjugates of glycopeptide and peptidic membrane-associating lements.

(I) comprises the formula V-L-W-X, where: V = a glycopeptide moiety that inhibites peptidoglycan biosynthesis in bacteria; L = a linking group; W = a peptidic membrane-associating element; and X = H or a membrane-associating element; and X = H or a membrane-associating described: (I) a method of treating or preventing a bacterial infection, comprising the administration of (I); and (2) use of a bacterial infection, comprising the administration of (I); and (2) use of (I) in the manufacture of a medicament for the treatment or prophylaxis of a bacterial infection in a human or animal body, including both the gram positive and gram negative bacteria including Mycobacterium sp., Enterococcus sp., Bornelia sp., Robeiella sp., Bornelia sp., Actinomyces sp., Pseudomonas sp., Actinomyces sp., Pheumococcus sp., Clostridium sp., Pseudomonas sp., Actinomyces sp., Pneumococcus sp. or Salmonalla sp., particularly antibiotic resistant bacterial strains. (I) are also useful as wound treatment agents to prevent adhesion of bacteria to matrix proteins, especially fibronectin, exposed in wound tissue; and for prophylactic use in dental treatment element elemen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Antibacterial compound, useful for the treatment of a bacterial infection by e.g. gram positive or negative bacteria, comprises a conjugate of glycopeptide and peptidic membrane-associating element.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention describes an antibacterial compound (I), comprising
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     has stronger binding to bacterial membranes which have a higher proportion of acidic phospholipids than the eukaryotic organishms, also having a higher proportion of membrane associated biosynthetic proteins. Vancomycin shows an enhanced antimicrobial activity upon derivatisation with (I) and is effective to treat the antibiotic resistant bacterial strains. ABB81234 to ABB81272 represent peptides given in the exemplification of the present invention
                                                                                                                                   Antibacterial; glycopeptide; peptidic membrane associating element; bacterial infection; vancomycin; peptidoglycan biosynthesis inhibition;
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                                                                                Linear Bac antibacterial peptide SEQ ID NO:24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (UYCA-) UNIV CAMBRIDGE TECH SERVICES LTD.
(ADPR-) ADPROTECH LTD.
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                                                                                                                                                                                                                                                                                                                                                                                                                                 02-NOV-2001; 2001WO-GB004867.
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nes 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cooper MA, Betley JR;
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                                                                                                                                                                                                                                                                                                                WO200236612-A1.
                                                                                                                                                                                                                                                                                                                                                                     10-MAY-2002.
                                                                                                                                                                                                    antibiotic.
                                                                                                                                                                                                                                                          Synthetic.
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The invention comprises a vaccine that contains at least one antigen and a carrier peptide that is able to strongly enhance the immune response to the specific co-administered antigen. The carrier peptides of the invention are able to strongly enhance the immune response to a specific co-administered antigen and therefore constitutes a highly effective antigen. The carrier peptides efficiently TRANSIOad antigenic peptides into antigen presenting cells. The vaccine of the invention is useful for vaccinating a mammal against a specific antigen or group of specific antigens derived from: a virus (e.g. HIV or Epstein-Barr virus); bacteria in fungi; parasites; or antigens form a tumour. The present amino acid sequence represents the bovine linear dodecapeptide which was used as a carrier peptide in an example of the invention
                                                                                                                       Anti-microbial peptide; antigenic peptide TRANSload; infection; tumour; antigen presenting cell; vaccine; carrier peptide; bovine; cow;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel vaccine comprising an antigen and an immunostimulating substance that strongly enhances immune response to the co-administered antigen, and efficiently TRANSloads antigenic peptides into antigen presenting
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Targeting ligand; bioactive agent; polymer matrix; cancer; cytostatic; cathepsin-D substrate; peptides; neuroreceptor; adrenal receptor; fibronectin; vitronectin; integrin; RGD motif; angiogenic endothelium; tumour; cationic cancer-targeting peptide.
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                                                                                                                                                                                                                                                                                                                                                                                                                    Zauner W, Nagy E,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 32; 40pp; English.
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                                                                                                                                                                                                                                                                                                          18-OCT-2001; 2001WO-EP012041.
                                                                                                                                                                                                                                                                                                                                             18-OCT-2000; 2000AT-00001789.
                                                                                      Bovine linear dodecapeptide
                                                  24-OCT-2002 (first entry)
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Best Local Similarity 100.
Matches 12; Conservative
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                                                                                                                                              antigen presenting ce
linear dodecapeptide.
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                                                                                                                                                                                                  Bos taurus.
                AA015562;
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                                                                                                                                                                                                                                                                                                                                                                                                                    Fritz J,
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Buschle M;

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The invention relates to a composition comprising a bioactive agent homogeneously dispersed in a targeted matrix for use as a delivery vehicle comprising are a targeted matrix for use as a delivery vehicle comprising a polymer associated with a targeting ligand, enhancing the bioavailability of an agent comprising administration of the composition and treating cancer comprising administration of the novel composition. The method is useful for targeted delivery of a drug, especially in cancer therapy. The targeting ligand may be a peptide. Examples of targeting peptides are disclosed including cathepsin-D publides, peptides targeting receptors in the brain and kidney, peptides targeting the RGD (Arg-Gly-Asp)-motif in, e.g., antibodies, peptides targeting the analogenic endothelium of solid tumours, tissue profit and the control of the 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  adrenal gland and retina), and cationic cancer- targeting peptides. The present sequence is a peptide targeting ligand disclosed in the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Targeted delivery system comprising a bioactive agent homogeneously dispersed in a targeted matrix is especially useful in cancer therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antimicrobial; purple blotch; gene therapy; antibacterial; fungicide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         specific peptides (e.g. of lung, skin, pancreas, intestine, uterus, adrenal gland and retina), and cationic cancer- targeting peptides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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                                                                                                                                                                                                                                                                                                                                                                                                                             Ramaswami V, Romanowski MJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; Page 13; 46pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAE34432 standard; peptide; 12 AA.
                                                                                                                                                                                                          05-JAN-2000; 2000US-00478124.
31-OCT-2000; 2000US-00703474.
                                                                                                                                                        25-JUL-2001; 2001US-00912609
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                          Unger EC, Matsunaga TO,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                             (RAMA/) RAMASWAMI V.
(ROMA/) ROMANOWSKI M J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cow bactenecin peptide.
                                                                                                                                                                                                                                                                                        (UNGE/) UNGER E C.
(MATS/) MATSUNAGA T O.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-208921/20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                 US2002041898-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    cow; bactenecin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 12 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200295076-A2
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                                                                                                      11-APR-2002
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Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAE34432;
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AAE34432
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Gaps

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17-MAY-2002; 2002WO-JP004800.

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resistant or protease-sensitive sequence, bound to the C-terminal side of
the target polypeptide. The polypeptides are useful as antimicrobial
agents against Ceratocystis fimbriats, which causes purple blotch in
sweet potatoes, or Escherichia coli. They are also used in gene therapy.
The present sequence is cow bactenecin peptide used in the
exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             antimicrobial; ophthalmic; prostaglandin; hypotensive; ophthalmological;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ophthalmic solution useful for the treatment of increased intraocular pressure comprises a prostaglandin of the F-series and an antimicrobial
                                                                                                                                          protease-resistant or protease-
                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            intraocular pressure; glaucoma; ocular hypertension; hyperaemia; irritation; inflammation; conjunctiva; ocular cell dysplasia; iridial melanocyte hyperplasia; hyperpigmentation.
                                                                                                                                                       sensitive sequence, bound to the C-terminal side of the target polypeptide, useful as antimicrobial agent against Ceratocystis
                                                                                                                                                                                                                                                                                                                                                                                                                    ;
0
                                                                                                                                                                                                                                                                                                                                                                                     Length 12;
                                                                                                                                                                                                                                                                                                                                                                                                               Indels
                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 62; DB 6; Lilarity 100.0%; Pred. No. 0.0028; Conservative 0; Mismatches 0;
                                                                                 Shimamura T;
                                                                                                                                           one
                                                                                                                                          polypeptide comprising at least
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Antimicrobial peptide bactenecin 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADD35346 standard; peptide; 12 AA
                                                                                                                                                                                                                Example 14; Fig 5; 50pp; English.
                                                     (TOYW ) TOYOTA CHUO KENKYUSHO KK.
                                                                                 Hirai M,
                                                                                                                                                                                  fimbriata, or Escherichia coli.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21-MAR-2003; 2003WO-US008935.
           23-MAY-2001; 2001JP-00154321
26-DEC-2001; 2001JP-00394821
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              1 RLCRIVVIRVCR 12
                                                                                 Imaeda T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CAYM-) CAYMAN CHEM CO.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-011506/01.
                                                                                                              WPI; 2003-156762/15
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Best Local Similarity
Matches 12; Conserv
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                                                                                                                                                                                                                                                                                                                                                           Sequence 12 AA;
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                                                                                 Muramoto N,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADD35346;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            peptide.
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Disclosure; Page 11; 11pp; English

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          prostaglandin of the F-series and an antimicrobial peptide. A solution of the invention has hypotensive and ophthalmological activity. The solution is useful for the treatment of increased intraocular pressure, such as caused by glaucoma and for the reduction of ocular hypertension. The prostaglandin and the antimicrobial peptide work synergistically, to provide beneficial reduction in the incidence of irritant and toxic side effects such as hyperaemia, irritation and inflammation of conjunctiva, ocular cell dysplasia, irridial melanocyte hyperplasia, and hyperpigmentation, associated with the prior art prostaglandin compositions. The present sequence represents an antimicrobial peptide of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cosmetic composition; dermo-cosmetic composition; nisin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Cosmetic or dermatological skin-treatment composition, useful e.g. for regulating the skin flora, comprises a complex of a specific peptide or protein with a nucleotide or nucleic acid.
                                                                                                                                                                                                                                                                                                                                         Gaps
The invention relates to a novel ophthalmic solution comprising a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Peptide used in cosmetic composition for regulating skin flora.
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                                                                                                                                                                                                                                                                                                100.0%; Score 62; DB 8; Length 12;
100.0%; Pred. No. 0.0028;
.ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADQ14302 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    N-acetylglucosamine; bactinecine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 1; Page 8; 11pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30-DEC-2002; 2002FR-00016874.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-DEC-2002; 2002FR-00016874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
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Best Local Similarry
Workes 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                      RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Thorel JN, Redziniak C;
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REDZINIAK C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-519912/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Dermatological;
                                                                                                                                                                                                                                                             Sequence 12 AA;
                                                                                                                                                                                                                       the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23-SEP-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADQ14302;
                                                                                                                                                                                                                                                                                                    Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   REDZ/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 16
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The invention describes providing cells expressing heterologous keratinocyte growth factor-2 (KGF-2) (I) comprising providing a host cell (II) consisting of primary keratinocytes and immortalized keratinocytes and an expression vector comprising a DNA sequence encoding (I) operably linked to a regulatory sequence; introducing the expression vector to linked to a regulatory sequence; introducing the expression vector to comprising and culturing (II) under conditions such that (I) is expressed. Also described are: (II) produced by the novel method; a composition comprising a keratinocyte specific promoter operably linked to a DNA sequence encoding KGF-2 or an antimicrobial polypeptide; a host cell comprising the vector; a method for providing a skin equivalent expressing comprises the vector; a method for providing a skin equivalent expressing comprises the vector; a method for providing a skin equivalent expressing comprises the vector; a method for providing a skin equivalent expressing comprises an exogenous antimicrobial polypeptide; a composition comprising colls with increased pluripotency or multipotency relative to a population comprising the cells under conditions such that electroporated cells with increased
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Providing cells expressing heterologous keratinocyte growth factor-2 (I), which is useful to treat wounds e.g. ulcerative colitis, comprises introducing a vector comprising a DNA that encodes (I) to a host cell and culturing the host cell.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          pluripotency or multipotency relative to the population of cells are selected; a population of cells generated by the method; a population of cells generated by the method; a method of selecting keratinocytes with holoclone or meroclone cell morphology comprises providing a population of keratinocytes and electroporating the keratinocytes under conditions
                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                    vulnerary; antiulcer; antiinflammatory; gastrointestinal-gen.;
expression; vector; wound healing; vulnerary; injury; antimicrobial.
                                                                              ;
                                       Length 12;
                100.0%; Score 62; DB 8; Length 12
100.0%; Pred. No. 0.0028;
                                                                                                                                                                                                                                                                                                                                                                                 BNP-1 antimicrobial peptide SEQ ID NO 52.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 52; 116pp; English.
                                                                                                                                                                                                                                                           $
                                                                                                                                                                                                                                                         ADX08379 standard; peptide; 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-JUL-2004; 2004WO-US024627.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            01-AUG-2003; 2003US-0491869P.
08-AUG-2003; 2003US-0493664P.
30-JUL-2004; 51US-00493664.
                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                         1 RLCRIVVIRVCR 12
                                                                              Conservative
                                                                                                                  1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (STRA-) STRATATECH CORP
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                                                        Local Similarity
les 12; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2005012492-A2
Sequence 12 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               10-FEB-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bos taurus
                                                                                                                                                                                                                                                                                                ADX08379;
                                   Query Match
                                                                          Matches
                                                                                                                                                                                                                   RESULT 17
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        morphology are selected, and a keratinocyte population generated by the method. (1) is useful to treat wounds such as venous ulcers, diabetic ulcers, pressure ulcers, burns, ulcerative colitis, mucousal injuries, internal injuries or external injuries. The method is useful to increase practitioners's success in healing wounds and/or accelerate the rate of fronic wound healing. The NIKS cells is genetically uniform, pathogen antimicrobial peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Polymeric nanoshells useful for delivery of bioactive agents such as therapeutic (e.g., antineoplastic drugs) or diagnostic agents, comprises biocompatible polymer layers comprising charged organic polymers, that
keratinocytes with holoclone or meroclone cell
                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                             100.0%; Score 62; DB 9; Length 12; 100.0%; Pred. No. 0.0028; .ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 12;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cancer; cytostatic; delivery mechanism; drug delivery.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Score 62; DB 9;
llarity 100.0%; Pred. No. 0.0028;
Conservative 0; Mismatches 0
                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       rumor cell targeting peptide - SEQ ID 676.
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                                                                                                                                                                                                                                                                                                                                                                                    ADY67437 standard; peptide; 12 AA.
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12-SEP-2003; 2003US-0502429P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         03-MAY-2004; 2004US-00838289.
                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
electroporated
                                                                                                                                                                                                               Similarity 100.
12; Conservative
                                                                                                                                                                                                                                                                 1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                 1 RLCRIVVIRVCR 12
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Best Local Similarity
Local 12; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2005-240846/25.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 define hollow core.
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                                                                                                                                                                Sequence 12 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                       ADY67437;
                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                  Best Local
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21-FEB-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bactenedin is an antimicrobial cationic peptide, with antimicrobial activity. The invention relates to isolated antimicrobial peptides (see AAF7330-Y67347) derived from bactenedin, and includes analogues, derivatives, amidated variations and conservative variation. The peptides have antimicrobial, cytostatic, antiproliferative, antiviral, and antifungal activities. The antimicrobial peptides are useful for inhibiting the growth of bacteria including both gram positive and negative species including Bacteria coli, Pseudomonas aeruginosa and Salmonella typhimurium. The peptides can be used to inhibit endotoxaemia or sepais associated disorders, such as septic shock. The peptides can also be used to inhibit the growth of a eukaryotic cell, especially an animal, neoplastic cell, in particular a glioblastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder.
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                                                                                                                                                                                                                                                                                                                                                                                        Antimicrobial peptide useful for inhibiting the growth of bacteria and as
                                                                                                                                                                 Bactenecin, antimicrobial activity, cytostatic, antiproliferative, antiviral, antifungal, bacterial growth inhibitor, endotoxaemia, sepsis; cell proliferative disorder, anticancer agent, BAC 2R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 This sequence represents a derivative of the bovine bactenecin peptide.
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                                                                                                                                             Antimicrobial bactenecin peptide derivative BAC 2R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAY67347 standard; peptide; 18 AA.
                                                                            AAY67340 standard; peptide; 14 AA
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                                                                                                                                                                                                                                                                                                                           (UYBR-) UNIV BRITISH COLUMBIA
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                                                                                                                       (first entry)
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          Conservative
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nes 12; Conserv
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                                                                                                                                                                                                              Synthetic.
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Matches
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This sequence represents a derivative of the bovine bactenecin peptide. Bactenecin is an antimicrobial cationic peptide, with antimicrobial activity. The invention relates to isolated antimicrobial peptides (see AAY67330-Y67347) derived from bactenecin, and includes analogues, derivatives, amidated variations and conservative variation. The peptides have antimicrobial, cytostatic, antiprollferative, antiviral, and antifungal activities. The antimicrobial peptides are useful for inhibiting the growth of bacteria including both gram positive and antigutive species including Escherichia coll, Pseudomonas aeruginosa and salmonalla typhimurium. The peptides can be used to inhibit endotoxaemia or sepsis associated disorders, such as septic shock. The peptides can also be used to inhibit the growth of a eukaryotic cell, especially an animal, neoplastic cell, in particular a glioblastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Antimicrobial peptide useful for inhibiting the growth of bacteria and as
                                                        Bactenecin, antimicrobial activity, cytostatic, antiproliferative, antiviral, antifungal, bacterial growth inhibitor; endotoxaemia, sepsis, cell proliferative disorder; anticancer agent; BAC 31 3V.
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Antimicrobial bactenecin peptide derivative BAC 3I, 3V
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYBR-) UNIV BRITISH COLUMBIA.
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Best Local Similarity 100.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Media comprising antimicrobial polypeptides or pore forming agents and/or cell surface receptor binding compounds useful for the storage and preservation of organs prior to transplant.
                                                                                                                                                             Vaccine for active immunization or for preparing an adjuvant for enhancing an immune response to at least one antigen, comprises at least one antigen and at least one cathelicidin derived antimicrobial peptide.
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                                                                                                  Egyed A;
                                                                                                Zauner W, Buschle M,
                                                              (CIST-) CISTEM BIOTECHNOLOGIES GMBH.
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17-AUG-2001; 2001WO-EP009529.
                                17-AUG-2000; 2000AT-00001416.
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17-NOV-2000; 2000US-0249602P.
15-MAY-2001; 2001US-0290932P.
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antimicrobial polypeptides or pore forming agents and/or cell surface receptor binding compounds. The media is capable of extending the preservation period past 72 hours and can provide organs with increased functionality upon transplant. animals receiving kidneys stored in the media of the present invention for either three or four days had serum creatinine levels of less than half of those observed in control animals receiving kidneys stored in UW solution (defined in the specification) alone. Lower serum creatinine levels are indicative of healthier kidneys are in a more preferable prognosis for the transplant patient. The media of the invention are useful for decreasing the incidence and/or severity of delayed graft function in patients receiving transplanted kidneys stored and/or treated in the media. The media may also be used in procedures cond as cardioplegia. It is contemplated that transplant of healthier organs leads to a decrease in chronic rejection. This sequence represents an antimicrobial peptide studied in the development of the transplant
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Providing cells expressing heterologous keratinocyte growth factor-2 (I), which is useful to treat wounds e.g. ulcerative colltis, comprises introducing a vector comprising a DNA that encodes (I) to a host cell and culturing the host cell.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention describes providing cells expressing heterologous keratinocyte growth factor-2 (KGF-2) (I) comprising providing a host cell (II) consisting of primary keratinocytes and immortalized keratinocytes
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expression; vector; wound healing; vulnerary; injury; antimicrobial.
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                                                     invention describes new transplant compositions comprising
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                Disclosure; Page 26; 78pp; English.
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08-AUG-2003; 2003US-0493664P.
30-JUL-2004; 51US-00493664.
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linked to a regulatory sequence; introducing the expression vector to [11], and culturing (II) under conditions such that (I) is expressed.

Also described are: (II) produced by the novel method; a composition comprising (II) expressing (I); a method of treating wounds; a vector comprising a keratinocyte specific promoter operably linked to a DNA sequence encoding KGF-2 or an antimicrobial polypeptide; a host cell.

Comprising the vector; a method for providing a skin equivalent expressing comprising the vector; a method for providing a skin equivalent expressing an exogenous antimicrobial polypeptide; a composition comprising certainocytes expressing an exogenous antimicrobial polypeptide; a method for providing a human tissue expressing an exogenous KGF-2 and an exogenous antimicrobial polypeptide; a method of selecting cells with increased pluripotency or multipotency relative to a population of comprising providing a population of cells and electroporating the cells under conditions such that electroporated cells with increased pluripotency or multipotency relative to the population of cells generated by the method; a method of selecting expension of cells generated by the method; a method of selecting expension of cells generated by the method; a method of selecting expension of cells generated keratinocytes with holoclone or meroclone cell morphology comprises providing a population of selecting that electroporated keratinocytes under conditions of keratinocytes under conditions and a bearting comprises providing a population of a bearting the cells generated and electroporated cells conditions of method of selecting cells conditions and a bearting conditions or meroclone cell method; a method of selecting cells conditions or meroclone cells conditions conditions and a bearting cells conditions and a bearting cells conditions or meroclone cells c
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expression vector comprising a DNA sequence encoding (I) operably
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ses 12; Conserv
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Matches
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antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic; cytostatic; anticonvulsant; nootropic; muscula; anti-HTV; RNA interference; iRNA; antisense technology; lipid metabolism; cholesterol imbalance; dyslipidaemia hypercholesterolaemia; coronary artery disease; CAD; coronary heart disease; CHD; atherosclerosis; hepatic glucose production; glucose-metabolism-related discorder; diabetes; cancer; breast cancer; colon cancer; lung cancer; neurological disease; Huntington disease; spinocerebellar ataxia; viral disease; AIDS; cell permeation peptide;
                                                                                                                                                                                                                                                                                                                                                                                    08-MAR-2004; 2004WO-US007070.
                                                                                                                                                                                                                                                                                                                                                                                                                  07-MAR-2003; 2003US-0452682P.
                                                                                                                                                                                                                                                                                                                          WO2004080406-A2
                                                                                                                                                                                                                                                                beta defensin.
                                                                                                                                                                                                                                                                                           Unidentified
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13-JAN-2005 (first entry)

ADT61094;

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The invention describes a RNA interference (IRNA) agent (I) comprising a sense sequence and an antisense sequence, where the sense sequences have one or more asymmetrical 2'-0 alkyl modifications, the antisense sequence targets a human gene sequence. Also described and the antisense sequence targets a human gene sequence. Also described and the antisense sequence targets a human gene sequence. Also described care: a pharmaceutical preparation comprising (I); reducing (I); involves selecting a sequence with activity and introducing one or more asymmetrical modification in the sequence, where the modification decreases muclease sensitivity while not decreasing its activity; a kit comprising (I) and instruction for its use; and a device that can be dispense or administer a composition for its use; and a device that can be dispense or administer a composition comprising (I). (I) is useful for reducing apob-100 levels or glucose-6-phosphatase levels.

The subject is suffering from a disorder characterised by elevated or cherwise unwanted expression of apob-100, elevated or cherwise unwanted cortering from a disorder characterised by elevated or cherwise unwanted cortering from a disorder characterised by elevated or cherwise unwanted disorder is chosen from the HDL/DL cholesterol imbalance, dyslipidaemias, coronary artery disease (CAD), coronary heart chisease (CHD) and atherosclerosis. (I) is administered to a subject to cinhibit hepatic glucose production or for treating glucose-metabolism. Cornary heart diseases as mentioned above, cancer (e.g. breast, colon or cor treating glucose-metabolism cald sequence of a cell permeationed bove, cancer (e.g. breast, colon or cor treating glucose-metabolism cortex diseases as mentioned above, cancer (e.g. breast, colon or cor treating glucose-metabolism cortex disease (CBD) and atherosclerosis. (I) is administered to a subject to colon or cortexpine and col
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Interference RNA agent useful for treating dyslipidemias, coronary disease, diabetes, cancer or neurological disease, comprises sense sequence and antisense sequence which has specific modifications.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 56; DB 8;
Pred. No. 0.025;
0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         to increase the uptake of iRNA's.
                                                                                                                                                                  08-AUG-2003; 2003US-0493986P.
11-AUG-2003; 2003US-0494597P.
26-SEP-2003; 2003US-0506441P.
10-OCT-2003; 2003US-0510246P.
10-OCT-2003; 2003US-0510318P.
07-NOV-2003; 2003US-0510318P.
                                           14-APR-2003; 2003US-0462894P.
17-APR-2003; 2003US-0463772P.
25-APR-2003; 2003US-046565P.
25-APR-2003; 2003US-046562P.
09-MAY-2003; 2003US-0469612P.
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91.7%;
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Best Local Similarity 91.7
Matches 11; Conservative
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interfering RNA; iRNA; kidney; stabilising modification; nephrotropic; antidiabetic; cytostatic; vasotropic; antiinflammatory; dermatological; immunosuppressive; antisense therapy; kidney disorder; ureter obstruction; diabetes; proteinurea; renal carcinom; Fanconi's syndrome; Barter's syndrome; kidney transplant; shock; Fanconi's syndrome; Barter's syndrome; kidney transplant; shock; systemic lupus erythematosus; HIV-associated nephropathy; renal tibrosis; inflammatory disease; necessary renal transplantation; cell permeation.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Interfering RNA agent useful for treating subject having or at risk for having disorder of kidney such as uretar obstruction, or diabetes, comprises sense sequence, and antisense sequence, that targets RNA
Novel interfering RNA (iRNA)-related cell permeation peptide SegID19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2003US-0463772P.
2003US-0465665P.
2003US-0465802P.
2003US-0469612P.
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2003US-0494597P.
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2003US-0462894P.
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2003US-0506341P.
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2003US-0510318P.
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2004WO-US007070
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                                                                                                                                                                                                                                                                                                              Unidentified.
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This invention relates to a novel interfering RNA (iRNA) agent comprising Disclosure; SEQ ID NO 19; 252pp; English.

a sense sequence, and an antisense sequence, which targets an RNA expressed in kidney, where the agent has a stabilising modification. The invention may be useful for the production of compounds with a nephrotropic, antidiabetic cytostatic, vasotropic, antidiabetic cytostatic, vasotropic, antidiabetic cytostatic, vasotropic, antidiabetic, cytostatic, vasotropic, antidiamatory, dermatological or immunosuppressive activity through antisense therapy. The invention is useful for treating a subject having or at risk for having a disorder of the kidney such as ureter obstruction, diabetes, proteinurea, renal carcinoma, Fanconi's syndrome and Bartter's syndrome, where the iRNA is administered before, during, or after a kidney transplant. The iRNA may be administered to a subject in shock and is useful for treating renal vascular hypertension, glomerular sclerosis, glomerular nephritis, systemic lupus erythematosus, HIV-associated nephropathy, renal fibrosis, or inflammatory diseases that may be eventually lead to necessary renal transplantation. The present sequence is that of a cell permeation peptide which was used during the illustration of the iRNA agents of the invention.

Seguence 12 AA;

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                       Gaps
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0
 Score 56; DB 8; Length 12;
Pred. No. 0.025;
); Mismatches 1; Indels
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90.3%;
         Local Similarity 91.7
es 11; Conservative
  Query Match
                      Matches
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comprises sequence and an antisense sequence, where the sense sequence comprises one or more cholesterol moieties, and the antisense sequence targets a human gene sequence. The following are disclosed: a pharmaceutical composition comprising (1); and a device for administering (1) into a patient. (1) is useful for reducing apoB-100 levels or glucose-6-phosphatease levels in a subject. (1) targets a sequence identical to any one of sequences as given in the specification. (1) comprises a cholesterol moiety. The cholesterol moiety is coupled to a sense strand. (1) further comprises a second cholesterol moiety. The second cholesterol moiety is coupled to a sense strand. (1) the second cholesterol duplex region of (1) is 19 nucleotides in length. The subject is suffering from a disorder having elevated or otherwise unwanted

The invention describes an interference RNA (iRNA) agent (I) comprising a

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New interference RNA agent comprising sense sequence and antisense sequence having cholesterol moieties, useful for reducing apoB-100 levels
                                                                                                                                                                            antilipemic; cardiant; vasotropic; antiarteriosclerotic; antidiabetic; interference RNA; iRNA; cholesterol moiety; apoB; glucose-6-phosphatase; lipid metabolism; cholesterol imbalance; dyslipidaemia; familial combined hyperlipidaemia; acquired hyperlipidaemia; hypercholesterolaemia; statin-resistant hypercholesterolaemia; coronary artery disease; coronary steep; disease; atherosclerosis; hepatic glucose production; glucose-metabolism-relaed disorder; type-2 diabetes; glitaxzone-resistant diabetes; cell permeation peptide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 6712; 324pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Manoharan M, Elbashir S, Harborth J;
                                                                                                                                                      Bactenecin cell permeation peptide.
                                                                            ADT86670 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 glucose-6-phosphatase levels.
                                                                                                                                                                                                                                                                                                                                                                                                                                        14-APR-2003; 2003US-0462894P.
17-APR-2003; 2003US-0465894P.
25-APR-2003; 2003US-0465665P.
05-APR-2003; 2003US-0465802P.
09-MAY-2003; 2003US-0469612P.
08-AUG-2003; 2003US-049997P.
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09-OCT-2003; 2003US-0510246P.
10-OCT-2003; 2003US-0510318P.
07-NOV-2003; 2003US-0518453P.
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                                                                                                                             (first entry)
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1 RKCRIVVIRVCR 12
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                                                                                                                                                                                                                                                                                                                                        WO2004091515-A2.
                                                                                                                                                                                                                                                                                                              Unidentified.
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                                                                                                                             13-JAN-2005
                                                                                                                                                                                                                                                                                                                                                                 28-OCT-2004.
                                                                                                                                                                                                                                                                                       bactenecin.
                                                                                                     ADT86670;
                                                    RESULT 26
                                                                ADT86670
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1. 人名英格兰人姓氏克特的变体

us-10-657-851-37.rag

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expression of apo-B-100, elevated or otherwise unwanted levels of cholesterol, and/or disregulation of lipid metabolism. The disorder is chosen from HDL/LDL cholesterol imbalance, dyslipidaemia (e.g., familial combined hyperlipidaemia or acquired hyperlipidaemia, coronary hypercholesterolaemia, statin-resistant hypercholesterolaemia, coronary attery disease, coronary heart disease and atheroscilerosis, preferably statin-resistant hypercholesterolaemia. (I) is administered to a subject to inhibit hepatic glucose production or for treating glucose-metabolism-related disorders e.g., type-2 diabetes or glitaxzone-resistant diabetes. (I) has endonuclease or exonuclease resistance. This is the amino acid sequence of a cell permeation peptide that can be attached to iRNA's to enhance cellular recognition and absorption of the iRNA's.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        neuroprotective; interfering RNA; iRNA; gene silencing; gene regulation; cancer; rheumatoid arthritis; retinal neovascularization; viral infection; viral hemorrhagic fever, neurological disease; respiratory tract infection; poliovirus infection; variola virus infection; ribose replacement modification subunit.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cytostatic; antirheumatic; antiarthritic; opthalmological; anti-HIV;
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Pred. No. 0.025;
0; Mismatches 1
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2003US-0510246P.
2003US-0510318P.
2003US-0518453P.
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2003US-0494597P.
2003US-0503414P.
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2003US-0465802P.
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Best Local Similarity 91.7'
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                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 12 AA;
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07-NOV-2003;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             04-NOV-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 27
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The invention relates to an interfering RNA (iRNA) agent (A1), comprising a first and a second strand, where at least one monomer contains noncribose subunit is incorporated into at least one of the strands or where at least one bull it is incorporated into at least one of the strands or where at least one subunit is derivatized with a lipophilic moiety which chances entrance into a cell. (A1) is useful for silencing a target gene which involves providing (A1) to which a lipophilic moiety is conjugated, to a cell. (A1) is administered to an organism. The cell is a cell of a cell line. (A1) which is conjugated to a lipophilic moiety, is administered to an organism. The cell which is conjugated to a lipophilic moiety, is administered to an organism. Succeed with a cell which is not part of an organism, is administered in the absence of or in a reduced amount of other reagents that facilitate or enhance delivery, preferably the other reagents are absent. (A1) is useful for modulating expression of a target gene in a subject (a11 claimed). (A1) is useful for modulating expression of a target gene in carious cells such as epithelial cell or mesodermal cell, neural cell, etc. (A1) is useful for cancer, observed on the carding engoners or a leukemia cell, etc. (A1) is useful carcinoma, mate breast carcinoma, cervical cancer, basal cell carcinoma, carcinoma, male breast carcinoma, cervical cancer, basal cell carcinoma, colorectal adenocarcinoma, aliver cancer, sophageal squamous cell carcinoma, acute leukemias Eurimos, viral carcinoma, rheumatoid arthritis, retinal neovascularization, viral control cancer; squamous cell carcinoma, acute leukemias Eurimos, viral carcinoma, cellence colorectal denocarcinoma, acute leukemias Eurimos, viral carcinoma, intercanner delicerial carcinoma, cellence colorectal carci
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               lymphoma, viral hemorrhagic fever or neurological disease, respiratory tract infection, polio and smallpox. The incorporation of ribose replacement modification subunit (RRMS) in (A1) confers new properties such as enhances or modulates one or more existing properties in the RNA. Other moieties may also be attached to the RRMS moiety including ligands and targeting peptides. This sequence corresponds to a targeting peptide which is a cell permeating peptide used to allow the iRNA entry into a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cell permeation peptide #13 for oligo containing protected monomer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 56; DB 8;
Pred. No. 0.025;
0; Mismatches
                                                   Disclosure; SEQ ID NO 13; 309pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADU26587 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         90.3%;
91.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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entrance into cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2004094345-A2.
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(UYBR-) UNIV BRITISH COLUMBIA
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             WO2005004794-A2
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                                                                                                                                             Vornlocher H;
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                                     20-JAN-2005
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY67332;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a novel protected monomer (MR1). (MR1) is useful for preparing natural or modified oligoribonuclectides or polymeric molecules and preparing an RNA e.g. an iRNA agent. The iRNA agent (A1) is useful for treating a subject at risk for or afflicted with unwanted cell proliferation e.g. lung cancer, breast cancer, prostate cancer, ovarian cancer, and leukemia, for treating a subject infected with a virus e.g. HIV, hepatitis B virus, and human papilloma virus, or at risk for or afflicted with a disease or disorder associated with viral infection, treating a subject infected with a disease or disorder associated with infection, treating a subject with a disease or autoimmune disease or disorder subject with a disease or autoimmune disease or disorder, ineurodegenerative trinucleotide repeat disorder e.g. Huntington disease and disorder associated with loss of heterozygosity (LOM) e.g. cancer. (A1) has ability to inhibit degradation, e.g. by nucleases. This sequence corresponds to a peptide fragment that can be used as a carrier peptide for oligonucleotides
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       neuroprotective; nootropic; antiparkinsonian; gene therapy; antisense therapy; expression; pharmaceutical; neurodegenerative disease; antiparkinsonian; neuroprotective; nootropic; bactenectin.
                                                                                                                                                                                                                                                              Novel protected monomers useful for preparing natural or modified oligoribonucleotides and for synthesizing iRNA agent that is useful for treating cancer and microbial infections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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Pred. No. 0.025;
); Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                               Disclosure; SEQ ID NO 13; 415pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bactenecin cell permeation peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADW25979 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            containing the novel monomers.
                                            2003US-0465802P.
2003US-0469612P.
2003US-0493986P.
2003US-0494597P.
                                                                                           ; 2003US-0506341P.
; 2003US-0510246P.
; 2003US-0510318P.
; 2003US-0518453P.
                                                                                                                                         08-MAR-2004; 2004WO-US007070.
05-APR-2004; 2004WO-US001586.
09-APR-2004; 2004WO-US011255.
 16-APR-2004; 2004WO-US011822
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 91.7%;
Matches 11; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-APR-2005 (first entry)
                                                                                                                                                                                          (ALNY-) ALNYLAM PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 RLCRIVVIRVCR 12
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                                                                                                                                                                                                                                         WPI; 2004-804482/79.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 12 AA;
                                                                               11-AUG-2003;
26-SEP-2003;
                                                                                                        09-OCT-2003;
10-OCT-2003;
                       17-APR-2003;
                                                                     08-AUG-2003;
                                                                                                                                07-NOV-2003;
                                  25-APR-2003;
25-APR-2003;
                                                                                                                                                                                                                  Manoharan M;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bactenecin; antimicrobial activity; cytostatic; antiproliferative; antiviral; antifungal; bacterial growth inhibitor; endotoxaemia; sepsis; cell proliferative disorder; anticancer agent; BAC 1S-NH2.
                                                                                                                                                                                                                                   Maraganore D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                  New iRNA agent for treating neurodegenerative disorders comprises an
                                                                                                                                                                                                                                                                                                                                                                                                                                                               antisense strand complementary to a nucleotide sequence of an alpha-
synuclein RNA, and a sense strand complementary to hybridize to the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention describes an iRNA agent comprising an antisense strand
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                                                                                                                                                                                                                                   Farrer MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Antimicrobial bactenecin peptide derivative BAC 1S-NH2.
                                                                                                                                                                                                                                   Bumcrot D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; SEQ ID NO 43; 190pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY67332 standard; peptide; 12 AA.
                                                                                                                                                                                                                               Foundation For Medical Ed,
09-JUN-2004; 2004WO-US018271.
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                                                                         09-JUN-2003; 2003US-0476947P
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                                                                                                                                                  (ALNY-) ALNYLAM PHARM INC.
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Bactemedin is an antificrobial cationic peptide, with antificrobial activity. The invention relates to isolated antimicrobial peptides (see AR67330-767347) derived from bactemedin, and includes analogues, derivatives, amidated variations and conservative variation. The peptides have antimicrobial, cytostatic, antiproliferative, antiviral, and antifungal activities. The antimicrobial peptides are useful for inhibiting the growth of bacteria including both gram positive and negative species including Bescherichia coli, Pseudomonas aeruginosa and salmonella typhimurium. The peptides can be used to inhibit endotoxaemia or sepais associated disorders, such as septic shock. The peptides can also be used to inhibit the growth of a eukaryotic cell, especially an animal, neoplastic cell, in particular a glioblastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antimicrobial peptide useful for inhibiting the growth of bacteria and as
                                                                             Antimicrobial peptide useful for inhibiting the growth of bacteria and as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bactenecin, antimicrobial activity, cytostatic, antiproliferative, antiviral; antifungal, bacterial growth inhibitor; endotoxaemia, sepsis, cell proliferative disorder, anticancer agent, BAC P.
                                                                                                                                                             This sequence represents a derivative of the bovine bactenecin peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 52; DB 3; Length 12; Pred. No. 0.11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antimicrobial bactenecin peptide derivative BAC P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY67341 standard; peptide; 13 AA.
                                                                                                                            Claim 1; Page 36; 52pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                       83.9%;
91.7%;
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               Hancock REW, Wu M;
                                           WPI; 2000-126379/11
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 12 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11-APR-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 31
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This sequence represents a derivative of the bovine bactenecin peptide. Bactenecin is an antimicrobial cationic peptide, with antimicrobial

Claim 1; Page 36; 52pp; English.

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Gaps ; 0

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activity. The invention relates to isolated antimicrobial peptides (see AAY67330-Y67347) derived from bactenecin, and includes analogues, derivatives, amidated variations and conservative variation. The peptides have antimicrobial, cytostatic, antiprolliferative, antiviral, and antifungal activities. The antimicrobial peptides are useful for inhibiting the growth of bacteria including both gram positive and negative species including Escherichia coli, Pseudomonas aeruginosa and Salmonella typhimurium. The peptides can be used to inhibit endotoxaemia or sepsis associated disorders, such as septic shock. The peptides can also be used to inhibit the growth of a eukaryotic cell, especially an animal, neoplastic cell, in particular a glioblastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antimicrobial peptide useful for inhibiting the growth of bacteria and as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bactenecin; antimicrobial activity; cytostatic; antiproliferative; antiviral; antifungal; bacterial growth inhibitor; endotoxaemia; sepsis; cell proliferative disorder; anticancer agent; BAC W.
                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                             Score 51.5; DB 3; Length 13;
Pred. No. 0.14;
0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antimicrobial bactenecin peptide derivative BAC W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY67342 standard, peptide; 13 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 1; Page 36; 52pp; English.
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                                                                                                                                                                                                                                                                                                               83.1%;
92.3%;
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Guery Match
Best Local Similarity 92..s,
Best Local Similarity
Guerrative
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                                                                                                                                                                                                                                                                         Sequence 13 AA;
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Bactenecin; antimicrobial activity; cytostatic; antiproliferative; antiviral; antifungal; bacterial growth inhibitor; endotoxaemia; sepsis; cell proliferative disorder; anticancer agent; BAC R P.
                                                                                      Antimicrobial bactenecin peptide derivative BAC R,
             AAY67334 standard; peptide; 12 AA.
                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 12 AA;
                                                                                                                                                                                          W09960016-A2.
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                                                                                                                                                                                                                    25-NOV-1999.
                                                                                                                                                                  Synthetic.
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AAY67338
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AAY6733
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                                                                                                                                                                                                                                                                    Bactenecin, antimicrobial activity, cytostatic, antiproliferative, antiviral, antifungal, bacterial growth inhibitor, endotoxaemia, sepsis, cell proliferative disorder, anticancer agent, BAC W 2R.
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Pred. No. 0.16;
0; Mismatches 0; Indels
                          Length 13;
                                                  Indels
                                                                                                                                                                                                                                         Antimicrobial bactenecin peptide derivative BAC W, 2R.
                                                 0
                         3;
                        ), DB
0.14;
                        Score 51.5; DB Pred. No. 0.14; 0; Mismatches
                                                                                                                                                                AAY67343 standard; peptide; 15 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     (UYBR-) UNIV BRITISH COLUMBIA
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                        83.1%;
92.3%;
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                 Query Match
Best Local Similarity 92.3
Marches 12; Conservative
                                                                                          1 RLCRIVWVIRVCR 13
                                                                         1 RLCRIV-VIRVCR 12
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Best Local Similarity 92.3
Matches 12; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              anticancer agents
Sequence 13 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 15 AA;
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                                                                                                                                                                                                                                                                                                                         Synthetic
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                                                                                                                                         RESULT 33
                                                                                                                                                     AAY67343
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This sequence represents a derivative of the bovine bactenecin peptide. Bactenecin is an antimicrobial cationic peptide, with antimicrobial activity. The invention relates to isolated antimicrobial peptides (see AAX67330-Y67347) derived from bactenecin, and includes analogues, derivatives, amidated variations and conservative variation. The peptides have antimicrobial, cytostatic, antiproliferative, antiviral, and antifungal activities. The antimicrobial peptides are useful for inhibiting the growth of bacteria including both gram positive and negative species including Escherichia coll. Pseudomonas aeruginosa and Salmonella typhimurium. The peptides can be used to inhibit endotoxaemia or sepsis associated disorders, such as septic shock the peptides can
                                                                                                                                                                                                                                                                                                                          Antimicrobial peptide useful for inhibiting the growth of bacteria and as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       also be used to inhibit the growth of a eukaryotic cell, especially an animal, neoplastic cell, in particular a glioblastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder
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Pred. No. 0.32;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY67338 standard; peptide; 14 AA.
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                                                                                                                               (UYBR-) UNIV BRITISH COLUMBIA
99WO-CA000414.
                                                               98US-00082420.
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1 RLCRIV-VIRVCR 12

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Antimicrobial peptide useful for inhibiting the growth of bacteria and as anticancer agents.
                                                                                                                                                                                                                            antimicrobial peptide mimeric, especially a component such as magainin antimicrobial peptide and/or analogue of magainin antimicrobial peptide present in an amount effective as a preservative in the composition, and includes a therapeutically effective component. Magainin antimicrobial peptides display a reduced eye irritation compared to existing preservatives for ophthalmic compositions. The peptides are highly watersoluble allowing effective antimicrobial action in oil-in-water emulsion. The preserved ophthalmic composition is useful for eye treatment, may be used as a surgical irrigant, and to care for contact lenses. The present sequence represents an antimicrobial defensin peptide of bovine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Bactenecin, antimicrobial activity, cytostatic, antiproliferative, antiviral; antifungal; bacterial growth inhibitor; endotoxaemia; sepsis; cell proliferative disorder; anticancer agent; BAC 21-NH2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ï
                                                                                                  Ophthalmic composition for eye care and contact lens care, commagainin antimicrobial peptide or its analog as a preservative.
                                                                                                                                                                                                           The invention provides an ophthalmic composition comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
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                                                                                                                                                                   Disclosure, Page 11; 43pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAY67335 standard; peptide; 12 AA.
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91.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                              neutrophil peptide (BNP)-1
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Matches 11; Conservative
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                                                             WPI; 2003-229449/22.
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                     Lyons RT;
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                                                                                                                                                                                                                                                                                                                                                                               Antimicrobial peptide useful for inhibiting the growth of bacteria and as anticancer agents.
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Pred. No. 0.37;
0; Mismatches 2; Indels
cell proliferative disorder; anticancer agent; BAC 3R P.
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83.3%;
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es 10; Conservative
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                                                                                   WO9960016-A2
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                                         Synthetic
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RESULT 39
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derivatives, amidated variations and conservative variation. The peptides have antimicrobial, cytostatic, antiproliferative, antiviral, and antifungal activities. The antimicrobial peptides are useful for inhibiting the growth of bacteria including both gram positive and negative species including Escherichia coll, Pseudomonas aeruginosa and Salmonella typhimurium. The peptides can be used to inhibit endotoxaemia or sepsis associated disorders, such as septic shock. The peptides can also be used to inhibit the growth of a eukaryotic cell, especially an animal, neoplastic cell, in particular a glioblastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This sequence represents a cationic peptide amino acid sequence, which can be used in the pharmaceutical composition of the invention. The invention relates to a pharmaceutical composition containing at least one activated polyoxyalkylene (APO) -modified cationic peptide. The modification of peptides with APO increases their activity against tumour cells, including those with a multidrug resistant phenotype. The pharmaceutical composition can be used to treat tumours, specifically
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   lymphoma, leukaemia, multiple myeloma, or tumours of breast, lung, ovary, cervix, uterus, skin, prostate, liver and colon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cationic peptide, tumour, pharmaceutical composition, cancer, treatment, leukaemia, polyoxyalkylene-modified, APO, lymphoma, multiple myeloma, breast, lung, ovary, cervix, uterus, skin, prostate, liver, colon,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel pharmaceutical composition containing optionally activated polyoxyalkylene-modified cationic peptides, useful for treating tumors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       West MHP;
                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                       ..
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Friedland HD, Krieger TJ, Taylor R, Erfle D, Fraser JR,
                                                                                                                                                                                                                                              Score 45; DB 3; Length 12;
Pred. No. 1.4;
1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Amino acid sequence of cationic peptide REWH 53A5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 16; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAY91867 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MICR-) MICROLOGIX BIOTECH INC
                                                                                                                                                                                                                                                  72.6%;
75.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99WO-CA000552,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           98US-00096541.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-JUN-2000 (first entry)
                                                                                                                                                                                                                                                                                       9; Conservative
                                                                                                                                                                                                                                                                                                                          1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                  1 RICRIVVIRCIR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       multidrug resistance
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2000-223549/19.
                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                             Sequence 12 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 12 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO9965506-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        14-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12-JUN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   23-DEC-1999,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAY91867;
                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 38
                                                                                                                                                                                                                                                                                                                                                                                                                                        AAY91867
     888888888888888
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antimicrobial peptide useful for inhibiting the growth of bacteria and as anticancer agents.
                                                                                                                                                             Bactenecin; antimicrobial activity; cytostatic; antiproliferative; antiviral; antifungal; bacterial growth inhibitor; endotoxaemia; sepsis; cell proliferative disorder; anticancer agent; BAC 2A-NH2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        71.0%; Score 44; DB 3; Length 12;
83.3%; Pred. No. 2;
ive 0; Mismatches 2; Indels
                                                                                                                            Antimicrobial bactenecin peptide derivative BAC 2A-NH2.
                 AAY67331 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADA00619 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; Page 36; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                              (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                           98US-00082420.
                                                                                                                                                                                                                                                                                                                                                       99WO-CA000414.
                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 71.0
Best Local Similarity 83.3
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           || ||||||| |
1 RLARIVVIRVAR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2000-126379/11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Wu M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 12 AA;
                                                                                                                                                                                                                                                                             WO9960016-A2.
                                                                                                                                                                                                                                                                                                                                                       20-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                          20-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hancock REW,
                                                                                         11-APR-2000
                                                                                                                                                                                                                                                                                                                  25-NOV-1999
                                                                                                                                                                                                                                            Synthetic.
                                                    AAY67331;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADA00619;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 40
ADA00619
AAY6733
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Gaps ·,

2; Indels

0; Mismatches

Score 44; DB 3; Length 12; Pred. No. 2;

71.0%; 83.3%;

Query Match 71.0 Best Local Similarity 83.3 Matches 10; Conservative

sepsis; inflammation;

Rosenberger CM;

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The present invention relates to a method of identifying a polynucleotide or pattern of polynucleotides regulated by one or more sepsis or inflammatory inducing agents and inhibited by a cationic peptide, which comprises contacting the polynucleotide or polynucleotides with one or more sepsis or inflammatory inducing agents, contacting the polynucleotide or polynucleotides with a cationic peptide either simultaneously or immediately thereafter and determining a change in expression. The method is useful for identifying a polynucleotide or pattern of polynucleotides regulated by one or more sepsis or inflammatory inducing agents and inhibited by a cationic peptide for preparing a composition for blocking sepsis or inflammation or for enhancing innate immunity. The present sequence is a cationic peptide shown in the exemplification of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          indolicidin analogue; antiseborrheic; dermatological; antiinflammatory; antiarthritic; immunosuppressive; vulnerary; antipruritic; antimicrobial; antipruritic; neuroprotective; antipsoriatic; inflammation; acne; arthritis; autoimmune disease; burn; Crohn's; colitis; contact hypersensitivity; delayed; eczema; endotoxin shock syndrome; fibromyositis; graft rejection; microbial infection; multiple sclerosis; parapsoriasis; psoriasis; sclerosis; seborrhea.
                                                                                                                                                                                                                                                                                                                                                                                                                                Identifying a polynucleotide regulated by one or more sepsis or inflammactory inducing agents and inhibited by a cationic peptides for blocking sepsis or inflammation by contacting the polynucleotide with the inducing agents.
                                      Innate immunity effector; cationic peptide; sepsis;
microbial infection; antibacterial; antiinflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic indolicidin analogue peptide - REWH 53A5.
                                                                                                                                                                                                                                                                                                                                  Bowdish D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DB 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
    Bovine cationic peptide bactenecin Bac2A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 44;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                    Finlay BB, Scott MG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 2; Page 10; 203pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADC98988 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                              (UYBR-) UNIV BRITISH COLUMBIA.
                                                                                                                                                                                                                   02-DEC-2002; 2002WO-CA001830.
                                                                                                                                                                                                                                                         03-DEC-2001; 2001US-0336632P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  71.0%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 83.3
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 RLARIVVIRVAR 12
                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-513768/48.
                                                                                                                                      WO2003048383-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 12 AA;
                                                                                                                                                                                                                                                                                                                                  Hancock REW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     01-JAN-2004
                                                                                                                                                                            12-JUN-2003
                                                                                                   Bos taurus.
                                                                                                                                                                                                                                                                                                                                                         Powers JS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADC98988;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 42
    셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention described as composition comprising and a solvent (III). Also described is a composition comprising (I), buffer a solvent (III). Also described is a composition comprising (I), buffer (IV) and (III). (I) has antibadererial, virucide, antibilammatory, fungicide, protozoacide, parasiticide, vulnerary, dermatological, herbicide and insecticide activities. (A) can be used to reduce the herbicide and insecticide activities. (A) can be used to reduce the sopulation of microflora (eukaryotes, prokaryotes or viruses) at a target site, particularly for treatment or prevention of infections. They can be used to treat a wide range of systemic infections (e.g. sepsis) and for used to treat a wide range of systemic infections. They can be used to treat the devices have been, or will be, inserted into the body (alternatively, they are used to treat the devices); and (ii) at sites on the skin (particularly for treating acne) or the mucosa. The devices the skin (particularly central venous, vascular dialysis, pulmonary artery, peritoneal dialysis or umblical catheters. They may also be used as surface disinfectants; for treatment of clothing and air filters; in commetties and soaps; as herbicides and insecticides; in building materials (e.g. silicone sealants) and in processing animal products, e.g. hides. The present sequence represents an antimicrobial cationic peptide, which is used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Composition containing stabilized antimicrobial cationic protein, usefuitor treating infections, particularly where associated with in-dwelling
                                                                           antimicrobial; cationic; viscosity-increasing agent; solvent; buffer; antibacterial; virucide; antiinflammatory; fungicide; protozoacide; parasiticide; vulnerary; dermatological; herbicide; insecticide;
                                                                                                                                        infection; systemic infection; sepsis; acne; disinfectant; herbicide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     comprising an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
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Pred. No. 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     present invention describes a composition (A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mismatches
                                    Antimicrobial cationic peptide REWH 53A5.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Я,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABR63789 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 1; Page 50; 90pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Fraser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                (MICR-) MICROLOGIX BIOTECH INC.
                                                                                                                                                        insecticide; silicone sealant
                                                                                                                                                                                                                                                                                                                21-AUG-2002; 2002WO-US026525.
                                                                                                                                                                                                                                                                                                                                                     21-AUG-2001; 2001US-0314232P.
20-AUG-2002; 2002US-00225087.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      71.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-OCT-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mcnicol PJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 RLARIVVIRVAR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-332767/31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                     WO2003015809-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 12 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                      Krieger TJ,
                                                                                                                                                                                                                                                                            27-FEB-2003
                                                                                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABR63789
à
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Gaps

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Length 12; 2; Indels

(MCNI)

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The specification describes a method for stimulating innate immunity. The method comprises administering a cationic peptide. The innate immunity is evidenced by host immune cell activation, prolliferation, differentiation or mitogen activated protein (MAP) kinase pathway activation. The method is used for stimulating innate immunity, for protecting against bacterial infection and regulating sepsis and inflammatory responses. The method provides synergistic therapy. The present sequence represents the bovine wariant of bactenecin, Bac2A, a cationic peptide that is used in the method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Antimicrobial peptide useful for inhibiting the growth of bacteria and as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bactenecin; antimicrobial activity; cytostatic; antiproliferative; antiviral; antifungal; bacterial growth inhibitor; endotoxaemia; sepsis; cell proliferative disorder; anticancer agent; BAC 3K P.
                                                                                                                                                                                         Stimulating innate immunity used for inhibiting sepsis and inflammation comprises administering cationic peptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         This sequence represents a derivative of the bovine bactenecin peptide. Bactenecin is an antimicrobial cationic peptide, with antimicrobial
                                                                                              Bowdish D, Rosenberger CM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            71.0%; Score 44; DB 9; Length 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antimicrobial bactenecin peptide derivative BAC 3K P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. 2;
0; Mismatches
                                                                                                                                                                                                                                                      Claim 1; SEQ ID NO 3; 238pp; English.
                                                                                           Scott MG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAY67337 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; Page 36; 52pp; English.
                                                    (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYBR-) UNIV BRITISH COLUMBIA.
                12-SEP-2003; 2003US-00661471,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      99WO-CA000414.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 83.3
hes 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Finlay BB,
                                                                                                                                                        WPI; 2005-253849/26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2000-126379/11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Wu M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              anticancer agents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 12 AA;
                                                                                           Hancock REW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAY-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO9960016-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hancock REW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11-APR-2000
                                                                                                                  Powers JS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAY67337;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAY67337
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a novel indolicidin analogue. The analogue of the invention demonstrates antiseborrheic, dermatological, antiinflammatory, antiarthritic, immunosuppressive, vulnerary, antipruritic, antimicrobial, antipruritic, neuroprotective and antipportatic and may be useful for treating or preventing inflammation at a target site. The inflammation at the target site may be associated with a condition selected from acne, arthritis, autoimmune disease, burn, crohn's disease, colitis, contact hypersensitivity, delayed hypersensitivity, eczema, endotoxin shock syndrome, fibromyositis, graft rejection, microbial infection, multiple sclerosis, parapsoriasis, parapsoriasis, psoriasis, sclerosis and seborrhea. The current sequence is that of the synthetic indolicidin analogue peptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       immunostimulant; immunosuppressive; antiinflammatory; innate immunity; cationic peptide; bacterial infection; sepsis; antibacterial; infection; immune stimulation; inflammation; synergistic therapy; bactenecin; Bac2A.
                                                                                                                                                                                                                                                                                                                                                                                                               Novel indolicidin analog useful for treating or preventing inflammation at a target site associated with a condition such as acne, arthritis, burn, Crohn's disease, colitis, and in image analysis and diagnostic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                        Guarna MM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amino acid sequence of bovine variant of bactenecin, Bac2A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     7; Length 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Indels
                                                                                                                                                                                                                                                                                                                                        Cameron D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 44;
Pred. No. 2
                                                                                                                                                                                                                                                                                                                                        Rubinchik E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 1; Page 49; 66pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADY79756 standard; peptide; 12 AA.
                                                                                                                                                                                              MICROLOGIX BIOTECH INC
                                                                                           26-AUG-2002; 2002WO-CA001351,
                                                                                                                               24-AUG-2001; 2001US-0315003P.
26-AUG-2002; 2002US-00229368.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     71.0%;
83.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                10-SEP-2004; 2004WO-CA001602.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-JUN-2005 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 83.3
Best Local 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RLARIVVIRVAR 12
                                                                                                                                                                                                                                                                                                                                        Mcnicol PJ, Pawlak SK,
                                                                                                                                                                                                                MCNICOL P J.
                                                                                                                                                                                                                                                      RUBINCHIK E. CAMERON D.
                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-393247/37.
                                                                                                                                                                                                                                     PAWLAK S K.
                                                                                                                                                                                                                                                                                                GUARNA M M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2005025607-A1.
              WO2003018619-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 12 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-MAR-2005
                                                    06-MAR-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADY79756;
                                                                                                                                                                                                                                                    (RUBI/)
(CAME/)
(GUAR/)
                                                                                                                                                                                            (MICR-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    assays.
                                                                                                                                                                                                                                     (PAWL/)
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RESULT 43

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Gaps

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Gaps

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0; Mismatches

Score 42; Pred. No. 4

83.3%;

Local Similarity

Query Match Matches

Sequence 12 AA;

10; Conservative

DB 3; Length 12; 2; Indels

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Antimicrobial peptide useful for inhibiting the growth of bacteria and as
         AN67330-y67347) derived from bactenedin, and includes analogues, derivatives, amidated variations and conservative variation. The peptides have antimicrobial, cytostatic, antiprollerative, antiviral, and antifungal activities. The antimicrobial peptides are useful for inhibiting the growth of bacteria including both gram positive and negative species including Escherichia coll, Pseudomonas aeruginosa and Salmonella typhimurium. The peptides can be used to inhibit endocoxaemia of sepsis associated disorders, such as septic shock. The peptides can also be used to inhibit the growth of a eukaryotic cell, especially an animal, neoplastic cell, in particular a glioblastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bactenecin; antimicrobial activity; cytostatic; antiproliferative; antiviral; antifungal; bacterial growth inhibitor; endotoxaemia; sepsis; cell proliferative disorder; anticancer agent; BAC 2S-NH2.
 invention relates to isolated antimicrobial peptides (see
                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                  ·;
                                                                                                                                                                                                                     DB 3; Length 12;
                                                                                                                                                                                                                                                  1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Antimicrobial bactenecin peptide derivative BAC 2S-NH2.
                                                                                                                                                                                                                                  Pred. No. 2.9;
1; Mismatches
                                                                                                                                                                                                                     Score 43;
Pred. No. 3
                                                                                                                                                                                                                                                                                                                                                                               AAY67333 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 1; Page 36; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99WO-CA000414.
                                                                                                                                                                                                                   69.4%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          98US-00082420.
                                                                                                                                                                                                                                                                                                                                                                                                                                       11-APR-2000 (first entry)
                                                                                                                                                                                                                  Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                             3 CRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                        3 CPIVVIRVCK 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2000-126379/11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hancock REW, Wu M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            anticancer agents.
                                                                                                                                                                                          Sequence 12 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO9960016-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               20-MAY-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                             AAY67333;
                                                                                                                                                                                                                                                                                                                                                    RESULT 45
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The present invention describes an antibacterial compound (1), comprising a conjugates of glycopeptide and peptidic membrane-associating elements.

(1) comprises the formula v-L-W-X, where: V = a glycopeptide moiety that inhibits peptidoglycan biosynthesis in bacteria; L = a linking group; W = a peptidic membrane-associating element; and X = H or a membrane-conformative element. Also described: (1) a method of treating or preventing a bacterial infection, comprising the administration of (1); and (2) use of a bacterial infection. (1) are used in the manufacture of a medicament for the treatment or prevention of a pacterial infection. (1) are used in the manufacture of a medicament of for the treatment or prophylaxis of a bacterial infection in a human or animal body, including both the gram positive and gram negative bacteria animal body, including both the gram positive and gram negative bacteria contains Mycobacterium sp., Enterococcus sp., Escherichia sp., Klebsiella csp., Hemophilus sp., Vibrio sp., Neisseria sp., Borrelia sp., Actinomyces sp., Staphylococcus sp., Clostridium sp., Pseudomonas sp., Actinomyces sp., Pheumococcus sp., Clostridium sp., particularly antibiotic resistant conferential strains. (1) are also useful as wound treatment agents to provent adhesion of bacterial of metrix proteins, especially fibronectin, exposed in wound tissue; and for prophylactic use in dental treatment as an alternative to, or in conjunction which match or prophylaxis. (1) has stronger binding to bacterial membranes which have a higher proportion of acidic phospholipids than the eukaryotic organisms, also having a higher proportion of membranes which have a higher proportion of membranes associated biosynthetic proteins. Wancomycin shows an enhanced antimicrobial activity upon derivatisation with (1) and is effective to treat the antibiotic resistant bacterial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Antibacterial compound, useful for the treatment of a bacterial infection by e.g. gram positive or negative bacteria, comprises a conjugate of glycopeptide and peptidic membrane-associating element.
                                                                                                                                                                                                                                                                                                                                                                                                                                      Antibacterial; glycopeptide; peptidic membrane associating element; bacterial infection; vancomycin; peptidoglycan biosynthesis inhibition;
                                                                                                                                                                                                                                                                                                                                                                            Bac2S antibacterial peptide SEQ ID NO:25.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (UYCA-) UNIV CAMBRIDGE TECH SERVICES LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 21; 64pp; English.
                                                                                                                                                                                                       ABB81258 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-NOV-2001; 2001WO-GB004867.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          03-NOV-2000; 2000GB-00026924.
                                                                                                                                                                                                                                                                                                                         (first entry)
1 RLCRIVVIRVCR 12
                                                   1 RLSRIVVIRVSR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Betley JR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ADPR-) ADPROTECH LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2002-471498/50.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200236612-A1.
                                                                                                                                                                                                                                                                                                                      20-AUG-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-MAY-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               antibiotic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cooper MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic.
                                                                                                                                                                                                                                                                ABB81258;
                                                                                                                                             RESULT 46
ABB81258
      ઠે
                                                         셤
                                                                                                                                                                                                                               This sequence represents a derivative of the bovine bactenecin peptide. Bactenecin is an antimicrobial cationic peptide, with antimicrobial activity. The invention relates to isolated antimicrobial peptides (see AAY67330-Y67347) derived from bactenecin, and includes analogues, derivatives, amidated variations and conservative variation. The peptides antifurial and antifurial and antifurial and antifurial and antifurial and antifurial and activities. The antimicrobial peptides are useful for inhibiting the growth of bacteria including both gram positive and salmonella typhimurium. The peptides can be used to inhibit endotoxaemia or sepsis associated disorders, such as septic shock. The peptides can also be used to inhibit the growth of a enkaryoric cell, especially an animal, neoplastic cell, in particular a gliobhastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder
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9905-0137724P

9905-0138094P

9905-0138034P

9905-0139452P

9905-0139454P

9905-0139451P

9905-014085P

9905-014085P

9905-014085P

9905-0144334P

9905-014534P

9905-014534P
    04 - 7UN - 1999

07 - 7UN - 1999

10 - 7UN - 1999

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02-AUG-1999;
02-AUG-1999;
02-AUG-1999;
03-AUG-1999;
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26-JUL-1999;
27-JUL-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.
                                                                                                                                        Gaps
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strains. ABB81234 to ABB81272 represent peptides given in the exemplification of the present invention
                                                                                                Score 42; DB 5; Length 12;
Pred. No. 4.2;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                  Arabidopsis thaliana protein fragment SEQ ID NO: 29219.
                                                                                                                                                                                                                                                                                                                  AAG25236 standard; protein; 304 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9905-0123180P
9905-0123180P
9905-0125784P
9905-0126785P
9905-0128714P
9905-0128714P
9905-0128714P
9905-0138714P
9905-0138714P
9905-0130649P
9905-0130649P
9905-0131449P
9905-0131449P
9905-0131449P
9905-0132488P
9905-0132488P
9905-013248PP
9905-013248PP
9905-013248PP
9905-013248PP
9905-013470P
9905-0134719P
9905-013478PP
                                                                                                67.78;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25-FEB-2000; 2000EP-00301439
                                                                                                                                                                                                                                                                                                                                                                                                17-OCT-2000 (first entry)
                                                                                                Query Match 67.7
Best Local Similarity 83.3
Matches 10; Conservative
                                                                                                                                                                                                  || |||||||| |
RLSRIVVIRVSR 12
                                                                                                                                                                             RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Arabidopsis thaliana.
                                                           Sequence 12 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-MAR-1999

09-MAR-1999

23-MAR-1999

25-MAR-1999

01-APR-1999

06-APR-1999

08-APR-1999

16-APR-1999

11-APR-1999

23-APR-1999

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23-APR-1999

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23-APR-1999

23-APR-1999
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04-MAY-1999;
05-MAY-1999;
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06-MAY-1999;
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11-MAY-1999;
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14-MAY-1999;
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19-MAY-1999;
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21-MAY-1999;
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25-MAY-1999;
27-MAY-1999;
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                                                                                                                                                                                                                                                                     RESULT 47

AAG25236

LID AAG2536

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AAG25

XX

AAAB

AAB

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Gaps

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Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.
   Indels
                                                                                                                                                                                                                     Arabidopsis thaliana protein fragment SEQ ID NO: 58456.
   1;
   Mismatches
                                                                                                                                 AAG46462 standard; protein; 618 AA.
   4.
                                                                                                                                                                                                                                                                                                                                                                                                                            99US-0121825P.
99US-0123180P.
99US-0125788P.
99US-012648P.
99US-0126785P.
99US-0126748P.
99US-0126748P.
99US-0128734P.
99US-0128734P.
99US-0130077P.
99US-0130077P.
99US-0130077P.
99US-0132484P.
99US-0132484P.
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                                                                                                                                                                                                                                                                                                                                                                                                  2000EP-00301439
                                                                                                                                                                                          18-OCT-2000 (first entry)
   6; Conservative
                            12
                                             :|::| :||||
69 VCQVVSVRVCR 79
                            2 LCRIVVIRVCR
                                                                                                                                                                                                                                                                                                            Arabidopsis thaliana
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25 - MAR - 1999;
01 - APR - 1999;
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16 - APR - 1999;
16 - APR - 1999;
23 - APR - 1999;
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25-MAY-1999;
27-MAY-1999;
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04-JUN-1999;
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08-JUN-1999;
10-JUN-1999;
10-JUN-1999;
14-JUN-1999;
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21-MAY-1999
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                                                                                                                                                              AAG46462;
   Matches
                                                                                                    RESULT 48
                                                                                                                   AAG46462
ID AAG4
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9908-0147313P

9908-0147416P

9908-0147431P

9908-0148131P

9908-0148131P

9908-0148131P

9908-0148328P

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99US-0139452P

16-JUN-1999

Length 304;

Score 42; DB 3; Pred. No. 88;

67.7%;

Query Match Best Local Similarity

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990S-0139453P.
990S-0139452P.
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990S-0139453P.
990S-0139461P.
990S-0139461P.
990S-0139461P.
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990S-0139461P.
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27 - JUL - 1999;
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31 - AUG - 1999;
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Pred. No. 1.7e+02;
4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4 ;
990S-0148684P

990S-0148684P

990S-0149175B

990S-0149122P

990S-0149922P

990S-0149922P

990S-0149930P

990S-0149930P

990S-0151066P

990S-015106B

990S-015106B

990S-015106B

990S-015103D

990S-01603D

990S-016135D

990S-016135D

990S-016135D

990S-016135D
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54.5%;
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VCQVVSVRVCR 7
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13-AUG-1999;
13-AUG-1999;
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28-JUL-1999;
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23-JUL-1999;
23-JUL-1999;
 Protein identification; signal transduction pathway; metabolic pathway; hybridisation assay; genetic mapping; gene expression control; promoter; termination sequence.
                                                                      Arabidopsis thaliana protein fragment SEQ ID NO: 58481.
                  AAG46480 standard; protein; 662 AA
                                                                                                                                                                                                  99US-0121825P

99US-0123180P

99US-012548P

99US-0126264P

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99US-0128234P

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99US-0128734P

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99US-0139455P
                                                                                                                                                                                  2000EP-00301439
                                                     18-OCT-2000 (first entry)
                                                                                                                             Arabidopsis thaliana
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                                                                                                                                                                                  25-FEB-2000;
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04-JUN-1999;
07-JUN-1999;
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18-JUN-1999;
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                                    AAG46480;
RESULT 49
AAG46480
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                                                                                                                                                                                                                                                                                                                                                                                     New isolated or recombinant polypeptide for use in modulating a plant growth trait in a flowering plant e.g. in Arabidopsis, Brassica, Zea, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bactenecin; antimicrobial activity; cytostatic; antiproliferative; antiviral; antifungal; bacterial growth inhibitor; endotoxaemia; sepsis; cell proliferative disorder; anticancer agent; BAC P 2R-NH2.
                                          plant growth; plant growth trait modulation; Brassicaceae; Arabidopsis; Brassica; Zea; Oryza; Triticum; Hordeum; Lolium; Sorghum; Glycine; Medicago; Helianthus; Lactuca; Beta; Vitis; Solanum; Lycopersicon; Capsicum; Gossypium; Hevea; Linum; Prunus; Citrus; Populus; Pinus;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 42; DB 7; Length 662;
Pred. No. 1.8e+02;
4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Antimicrobial bactenecin peptide derivative BAC P, 2R-NH2.
                   Plant growth associated protein seg id 42.
                                                                                                                                                                                                                                                                                                              Bowen BA, Haudenschild CD, Buckler ES;
                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 8; SEQ ID NO 42; 81pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAY67336 standard; peptide; 12 AA.
                                                                                                                                                                                                                                                                               (LYNX-) LYNX THERAPEUTICS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           67.7%;
54.5%;
                                                                                                                                                                                                                         07-JAN-2003; 2003US-00338777.
                                                                                                                                                                                                                                                     09-JAN-2002; 2002US-0347288P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Similarity 54.96; Conservative
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69 VCQVVSVRVCR 79
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 662 AA;
                                                                                                                                                               JS2003188343-A1
                                                                                                                                  Magnoliophyta.
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                                                                                                        Quercus.
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Pred. No. 1.8e+02;
4; Mismatches 1;
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990S-0159238P.
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990S-016038P.
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54.5%;
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69 VCQVVSVRVCR 79
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01-SEP-1999;
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2000US-021680P.
2000US-021680P.
                                                                                        2000US-0184664P
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2000US-0236370P
                                                       04-FEB-2000; 24-FEB-2000; 20-FEB-2000; 20-FE
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24.-01.-2000;
24.-01.-2000;
26.-01.-2000;
26.-01.-2000;
14.-Aug.-2000;
14.-Aug.-2000;
14.-Aug.-2000;
14.-Aug.-2000;
14.-Aug.-2000;
14.-Aug.-2000;
14.-Aug.-2000;
14.-Aug.-2000;
                                                                                                                                                                                                                                                                                                                                               30-JUN-2000;
07-JUL-2000;
07-JUL-2000;
This sequence represents a derivative of the bovine bactenecin peptide.

Bactenecin is an antimicrobial cationic peptide, with antimicrobial
activity. The invention relates to isolated antimicrobial peptides (see
AAY67330-Y67347) derived from bactenecin, and includes analogues,
chave antimicrobial, cytostatic, antiproliferative, antiviral, and
antifungal activities. The antimicrobial peptides are useful for
inhibiting the growth of bacteria including both gram positive and
inhibiting the growth of bacterial including both gram positive and
salmonella typhimurium. The peptides can be used to inhibit endotoxaemia
or sepsis associated disorders, such as septic shock. The peptides can
also be used to inhibit the growth of a eukaryotic cell, especially an
animal, neoplastic cell, in particular a gliobhastoma cell. The peptides
can also be used to inhibit a cell proliferation-associated disorder
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Antimicrobial peptide useful for inhibiting the growth of bacteria and anticancer agents.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match

66.1%; Score 41; DB 3; Length 12;
Best Local Similarity 75.0%; Pred. No. 6.1;
Matches 9; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 36; 52pp; English
                                                                                                                                                                                                                                                                                (UYBR-) UNIV BRITISH COLUMBIA
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                                                                                                                                                          99WO-CA000414
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                                                                                                                                                                                                                                                                                                                                                  Hancock REW, Wu M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 12 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200154472-A2
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                                WO9960016-A2
                                                                                                                                                          20-MAY-1999;
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ò 유 used in preventing, treating or ameliorating a medical condition.

Claim 11; SEQ ID NO 553; 809pp; English

The invention relates to an isolated nucleic acid molecule encoding a channel/transporter protein or sequences at least 95% identical to a channel/transporter protein or sequences at least 95% identical to a chase. The nucleic acids and proteins encoded by them are used to prevent, treat or ameliorate a medical condition in e.g. humans, mice, abbits, goats, horses, cats, dogs, chickens or sheep. They are also used to display a pathological condition or susceptibility to a condition. The antibodies to the proteins can also be used in alleviating symptoms associated with the disorders and in diagnostic manuscasays e.g. radioimmunosasays or enzyme linked include autoimmune (ELISA). Disorders which are diagnosed or treated include autoimmune diseases e.g. rheumatoid arthritis, hyperproliferative disorders e.g. created include autoimmune coplamms of the breast or liver, cardiovascular disorders e.g. cardiovascular disorders e.g. cardiovascular disorders e.g. created infections caused by bacteria, viruses and fungi and ocular disorders e.g. corneal infection. The polypeptides can also be used to aid wound healing and epithelial call proliferation, to preven skin aging due to surburn, to maintain tissues to regenerate tissues and in chemotaxis. The polypeptides can also be used as a food additive or preservative to increase or decrease architecture.

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2000US-0237040P.
2000US-0239935P.
2000US-0239937P.
2000US-0240960P.
                                                                                      2000US-0241787P.
2000US-0241808P.
2000US-0241809P.
2000US-0241826P.
2000US-0246477P.
2000US-0246474P.
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2000US-0246477P.
2000US-0246478P.
2000US-0246523P.
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2000US-0246528P.
2000US-0246532P.
2000US-0246609P.
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2000US-0246611P.
2000US-0246613P.
2000US-0249207P.
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2000US-0249212P
2000US-0249213P
2000US-0249214P
2000US-0249216P
2000US-0249216P
2000US-0249216P
2000US-024924P
2000US-024924P
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2000US-0249264P
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2000US-0250391P.
2000US-0251030P.
2000US-0251988P.
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2000US-0251479P.
2000US-0251856P.
                                                               2000US-0241221P.
2000US-0241785P.
2000US-0241786P.
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2000US-0249209P.
2000US-0249210P.
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      02-0CT-2000)
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02-0CT-2000)
02-0CT-2000)
13-0CT-2000)
13-0CT-2000)
20-0CT-2000)
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80-0CT-2000)
80-0CT-2000)
80-0CT-2000)
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08-NOV-2000;
08-NOV-2000;
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08-NOV-2000;
08-NOV-2000;
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08-NOV-2000;
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08-NOV-2000;
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17-NOV-2000;
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17-NOV-2000;
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                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                        Antimicrobial bactenecin peptide derivative BAC 3R, P, (V).
                                                                                                                                                                                                                                 66.1%; Score 41; DB 4; Length 131; 63.6%; Pred. No. 57; 2; Indels ive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                        AAY67339 standard; peptide; 14 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (UYBR-) UNIV BRITISH COLUMBIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     99WO-CA000414.
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Best Local Similarity 63.0
                                                                                                                                                                                                                                                                                 102 RLCRLVCLRHC 112
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                                                                                                                                                                                                                  Sequence 131 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                      Synthetic.
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Claim 1; Page 36; 52pp; English

Isolated nucleic acid molecule encoding a channel/transporter protein is

Ruben SM;

Rosen CA, Barash SC, WPI; 2001-476159/51. N-PSDB; ADM19267 ortholog to an abiotic stress responsive polynucleotide. The nucleic acid molecule and the polypeptide encoded by it are useful in altering the responsiveness of a plant to an abiotic stress, such as cold stress, salt stress, osmotic stress or any of their combinations. The present sequence is used in the exemplification of the invention

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Gaps

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Length 447;

62.9%; Score 39; DB 7; Length 447 63.6%; Pred. No. 3.8e+02; ive 2; Mismatches 2; Indels

Best Local Similarity 63.6 Matches 7; Conservative

Query Match

Sequence 447 AA;

888888

8 g Bactenecin; antimicrobial activity; cytostatic; antiproliferative; antiviral; antifungal; bacterial growth inhibitor; endotoxaemia; sepsis; cell proliferative disorder; anticancer agent; BAC R P W.

Antimicrobial bactenecin peptide derivative BAC R, P, W.

(first entry)

11-APR-2000

AAY67344;

AAY67344 standard; peptide; 13 AA.

22

AAY67344 RESULT

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1;
                 Bactemedin is an antiflate delication of peptide, with antimicrobial activity. The invention relates to isolated antimicrobial peptides (see AAK6730-Y67347) derived from bactemedin, and includes analogues, derivatives, amidated variations and conservative variation. The peptides have antimicrobial, cytostatic, antiproliferative, antiviral, and antifugal activities. The antimicrobial peptides are useful for inhibiting the growth of bacteria including both gram positive and negative species including Bescherichia coli, Pseudomonas aeruginosa and salmonella typhimurium. The peptides can be used to inhibit endotoxaemia or sepsis associated disorders, such as septic shock. The peptides can also be used to inhibit the growth of a eukaryotic cell, especially an animal, neoplastic cell, in particular a glioblastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder
This sequence represents a derivative of the bovine bactenecin peptide.
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RLCPI-VIRVCR 13
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Best Local Similarity
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abiotic stress tolerance; transgenic plant; plant; cereal; agriculture. Glazebrook J, Goff SA, Katagiri F; Rice abiotic stress responsive polypeptide SEQ ID NO:6925. Kreps J, Briggs SP, Cooper B, Gl Moughamer T, Provart N, Ricke D, (SYGN) SYNGENTA PARTICIPATIONS AG. 24-AUG-2001; 2001US-0314662P. 26-SEP-2001; 2001US-0325277P. 21-NOV-2001; 2001US-0332132P. 21-JUN-2002; 2002WO-US019668. 22-JUN-2001; 2001US-0300112P. 02-JUN-2005 (first entry) WPI; 2003-248011/24. WO2003008540-A2. Oryza sativa 30-JAN-2003 ABM88679 RESULT

BRITISH COLUMBIA 98US-00082420. 99WO-CA000414.

(UYBR-) UNIV Hancock REW,

20-MAY-1999; 20-MAY-1998;

WO9960016-A2

Synthetic.

25-NOV-1999

WPI; 2000-126379/11

This sequence represents a derivative of the bovine bactenecin peptide. Bactenecin is an antimicrobial cationic peptide, with antimicrobial activity. The invention relates to isolated antimicrobial peptides (see AAY67330-Y67347) derived from bactenecin, and includes analogues, derivatives, amidated variations and conservative variation. The peptides antimicrobial, cyrostatic, antiprollferative, antiviral, and antificing and cartivities. The antimicrobial peptides are useful for inhibiting the growth of bacteria including both gram positive and inhibiting appecies including Bacherichia coll, Pseudomonas aeruginosa and salmonella typhimurium. The peptides can be used to inhibit endotoxaemia or sepsis associated disorders such as septic shock. The peptides can also be used to inhibit the growth of a eukaryotic cell, especially an animal, neoplastic cell, in particular a glioblastoma cell. The peptides can also be used to inhibit a cell proliferation-associated disorder Antimicrobial peptide useful for inhibiting the growth of bacteria and as Gaps 7; 62.1%; Score 38.5; DB 3; Length 13; 76.9%; Pred. No. 16; ive 0; Mismatches 2; Indels Claim 1; Page 36; 52pp; English. Query Match 62.1 Best Local Similarity 76.9 Matches 10; Conservative anticancer agents Sequence 13 AA; Best Loca Matches

New stress-responsive nucleic acid, useful for altering the responsiveness of a plant, e.g. cereal, to an abiotic stress such as cold stress, salt stress or osmotic stress.

Claim 1; SEQ ID NO 6925; 89pp; English

The invention relates to novel abiotic stress responsive polynucleotides and polypeptides. Also disclosed are vectors, expression cassettes, host cells, and plants containing such polynucleotides. Also disclosed are methods for using the polynucleotides and polypeptides to alter the responsiveness of a plant to abiotic stress. The invention is useful in agriculture. The nucleic acid is useful for determining whether a test plant has been exposed to an abiotic stress condition. It is also useful for selecting an agent that alters abiotic stress regulated polynucleotide expression in a plant cell, and to identify a homolog or

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Claim 11; Page 395; 496pp; English.
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99US-00305736.
2000US-0239893P.
2001US-00818683.
                                                                                                                                                                                                                                                                                                                      61.3%;
50.0%;
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28 VCQYVIVRVC 37
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Best Local Similarity 5
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                                                                                                                                                                                                                                                                                       Sequence 50 AA;
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13-OCT-2000;
28-MAR-2001;
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07-NOV-1997;
07-NOV-1997;
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     disease
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New nucleic acid molecule, useful for preparing a medicament for preventing, treating or ameliorating a medical condition e.g., cancer, liver disorders such as hepatitis or neural disorders such as Alzheimer's
                                                                                                                                                                                                                                                               Human, secreted protein; cytostatic; neuroprotective; hepatotropic; gene therapy; cancer; liver disorder; hepatitis; neural disorder; Alzheimer's disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ben SM, Ebner R, Olsen HS, Ni J, Wei Y;
Kyaw H, Lafleur DW, Shi Y, Janat F;
, Birse CE;
                                                                                                                       ABO14090 standard; protein; 50 AA.
                                                                                                                                                                                                                              Novel human secreted protein #119
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           07-NOV-1997; 97US-0064900P.
07-NOV-1997; 97US-0064911P.
07-NOV-1997; 97US-0064911P.
07-NOV-1997; 97US-0064912P.
07-NOV-1997; 97US-0064981P.
07-NOV-1997; 97US-0064981P.
07-NOV-1997; 97US-0064981P.
07-NOV-1997; 97US-0064981P.
17-NOV-1997; 97US-006609P.
17-NOV-1997; 97US-005609P.
17-NOV-1998; 98US-00305736.
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                                                                                                                                                                                                                                                                                                                                                                                                                                              2001US-00974879
                                                                                                                                                                                             21-AUG-2003 (first entry)
RLCRIV-VIRVCR 12
                    | | || || || || || || || RRCPIVWVIRVCR 13
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Carter KC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JANAT F.
ENDRESS G A.
CARTER K C.
BIRSE C E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KYAW H.
LAFLEUR D W.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-479549/45.
N-PSDB; ACD18977.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NI J.
WEI Y.
SOPPET D R.
MOORE P A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FENG P.
RUBEN S M.
EBNER R.
OLSEN H S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Feng P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ROSEN C A.
                                                                                                                                                                                                                                                                                                                                                                        US2003028003-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                              12-OCT-2001;
                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Soppet DR,
Endress GA,
                                                                                                                                                                                                                                                                                                                                                                                                           06-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rosen CA,
Soppet DR,
                                                                                                                                                          ABO14090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ENDR/)
(CART/)
(BIRS/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (KYAW/)
(LAFL/)
(SHIY/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (SOPP/)
(MOOR/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ROSE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FENG/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      JANA/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (EBNE/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RUBE/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (NIJJ)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WEIY/
                                                                                    RESULT 56

ABO14090

XX
ABO14090

XX
ABO14090

DT 21-AU
XX
ABO14
ABO1
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こうかん こうしん おけらいかませい あまるか

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The invention describes a new isolated nucleic acid molecule comprising a sequence having at least 95% identity with a sequence comprising: (a) a polynuclectide (PN) fragment of a sequence comprising 420-3435 bp, or its allelic variant; (b) a PN fragment of the CDNA sequence; (c) a PN sequence encoding a polypeptide, or its fragment, domain, epitope or species homologue; or (d) a PN that hybridises under stringent conditions to any one of the sequences of (A)-(C). The nucleic acid is useful for preparing a medicament for preventing, treating or ameliorating a medical condition e.g., cancer, liver disorders such as hepatitis or neural disorders such as hepatitis or neural disorders such as an acid sequence of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; secreted polypeptide; autoimmune disease; rheumatoid arthritis; hyperproliferative disorder; neoplasm; breast; liver; cardiovascular disorder; cardiac arrest; cerebrovascular disorder; cerebral ischaemia; nervous system disorder; Alzheimer's disease; bacterial infection; viral infection; fungal infection; coular disorder; skin aging; sunburn; organ transplantation; lissue regeneration; chemotaxis; food additive; food preservative; fat content; vitamin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 38; DB 6; Length 50;
Pred. No. 70;
4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADN60787 standard; protein; 50 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted polypeptide #119.
                                                                                                                                                                                                                                                                                                                                                                                a novel human secreted protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9705 0064983P
9705 0064984P
9705 0064987P
9705 0064980P
9705 0066099P
9705 0066094P
9705 0066094P
9705 0066094P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    97US-0064908P.
97US-0064911P.
97US-0064912P.
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98WO-US023435.

us-10-657-851-37.rag

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04-NOV-1998;
 셤
                                                                                                                                                                                                                                                                                                                                  e.g. radioimmunoassays or enzyme linked immunosorbent assays
e.g. radioimmunoassays or enzyme linked immunosorbent assays (ELISA).

Disorders which are diagnosed or treated include autoimmune diseases

(e.g. radioimmunoassays or enzyme linked include autoimmune diseases

(e.g. radioidmunotassays or created include autoimmune diseases

of the breast or liver), cardiovascular disorders (e.g. cardiac arrest),

cerebrovascular disorders (e.g. cerebral ischaemia), nervous system

disorders (e.g. Alzheimer's disease), infections caused by bacteria,

viruses and fungi and ocular disorders (e.g. corneal infection). The

polypeptides can also be used to aid wound healing and epithelial cell

proliferation, to prevent skin aging due to sunburn, to maintain organs

before transplantation, for supporting call culture of primary tissues,

to regenerate tissues and in chemotaxis. The polypeptides can also be

used as food additives or preservatives to increase or decrease storage

capabilities and fat content, as vitamins, as minerals and as other

nutritional components. This sequence represents a human secreted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human, secreted protein, fusion protein, gene therapy, protein therapy, diagnosis, tissue, cancer, tumour, neurodegenerative disorder, leukaemia, developmental abnormality; foetal deficiency; blood, allergy, renal; immune system; asthma; lymphocytic disease; brain; hepatic; lymphoma; inflammation; ischaemic shock; Alzheimer's disease; restenosis; AIDS; osteoporosis; arthritis; testis; lung; thyroid; thyroid; disestin; estion; endocrine; metabolism; regulation; malabsorption; gastritis; neoplasm.
                                                                                                                                                                     New nucleic acid molecule encoding one of 125 human secreted proteins for diagnosing, preventing, treating or ameliorating medical conditions and used as food additives or preservatives.
                                                                                                                                                                                                                                                                            secreted proteins. The polynucleotides and polypeptides are used in diagnosing a pathological condition or susceptibility to a pathological condition. Antibodies to the polypeptides can also be used in alleviating symptoms associated with the disorders and in diagnostic immunoassays
                                                                                                                                                                                                                                                                 The invention relates to isolated nucleic acid molecules encoding human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                           Wei Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                           n SM, Ebner R, Olsen H, Ni J, Wei
/aw H, Lafleur DW, Shi Y, Janat F;
Birse CE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61.3%; Score 38; DB 8; Length 50; 50.0%; Pred. No. 70; 1; Indels tive 4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human secreted protein encoded by gene No. 119.
                                                                                                                                                                                                                                  Claim 11; SEQ ID NO 257; 531pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAY27685 standard; protein; 51 AA.
                                                                          Куам Н,
                                                             Ruben SM,
12-OCT-2001; 2001US-00974879
                                (HUMA-) HUMAN GENOME SCI INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity 50.0
                                                                                          Carter KC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 LCRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           :|:|::|||
28 VCQYVIVRVC 37
                                                                            Moore PA,
                                                                                                                         WPI; 2004-203215/19.
                                                               Feng P,
                                                                                                                                         N-PSDB; ADN60659
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 50 AA;
                                                           Rosen CA, Fe
Soppet DR, M
Endress GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20-MAY-1999.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30-JUL-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAY27685;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAY27685
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This sequence represents a secreted human protein encoded by the gene clone detailed in the descriptor line. The gene can be used to generate fusion proteins by linking to the gene to a human immunoglobulin FC portion (e.g. AAX84924) for increasing the stability of the fused protein as compared to the human protein only. The invention relates to 125 novel genes and their fragments (nucleic acid sequences: AAX84933-X85057; amino acid sequences AAX7567-Y27933) which are useful for preventing, treating or ameliorating medical conditions e.g. by protein or gene therapy. Also, pathological conditions can be diagnosed by determining the amount of the new polypeptides in a sample or by determining the presence of mutations in the new polynucleotides. Specific uses are described for each of the expressed in (see AAX84933 for described uses)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; secreted protein; immune disorder; haematopoietic disorder; hyperproliferative disorder; infectious disease; inflammatory disorder; HIV; anaemia; thrombocytopenia; bleeding; stroke; myocardial infarction; Addison's disease; rheumatoid arthritis; dermatitis; Grave's disease; multiple sclerosis; glomerulonephritis; diabetes; graft-versus-host disease; inflammatory bowel disease; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Feng P, Carter KC, Endress GA, Rosen CA, Ruben SM, Janat F;
Ni J, Wei Y, Moore PA, Soppet DR, Kyaw H, Lafleur DW, Olsen HS;
Shi Y, Ebner R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New human secreted proteins and coding sequences useful for treating disorders of the immune system and hyperproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Pred. No. 71;
4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 11; Page 412-413; 507pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADG78496 standard; protein; 51 AA.
                                                                                                                                                                    97US-0064985P.
97US-0064987P.
97US-0064988P.
97US-0066089P.
                                97US-0064912P.
97US-0064983P.
97US-0064984P.
                                                                                                                                                                                                                                                                                                                                                           97US-0066090P.
97US-0066094P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    97US-0066095P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              97US-0066100P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (HUMA-) HUMAN GENOME SCI INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    50.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted protein #119.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11-MAR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :|:|::||
28 VCQYVIVRVC 37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2 LCRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 1999-337740/28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             N-PSDB; AAX85051
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 51 AA;
                                07-NOV-1997;
07-NOV-1997;
07-NOV-1997;
07-NOV-1997;
07-NOV-1997;
                                                                                                                                                                                                                                                                                                                 1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-NOV-1997;
1997
                                                                                                                                                                                                                                                                                                                                                           1997
                                                                                                                                                                                                                                                                                                                                                                                                              1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    17-NOV-1997
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                                                                                                                                                                                                                       07-NOV-1
07-NOV-1
17-NOV-1
                                                                                                                                                                                                                                                                                                                                                           17-NOV-1
17-NOV-1
-VON-70
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADG78496

110 ADG7

XX

AC ADG7

XX

XX

DE HUM:

XW HUM:

XW HIV

KW HIV

KW AGW

KW MYI

KW MY

KW MY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT
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SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis; uveitis; endophthalmitis; bone; joint; central nervous system; ELISA; inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay;

dermatological; osteopathic; neuroprotectant

Propionibacterium acnes.

WO200181581-A2.

01-NOV-2001.

Propionibacterium acnes immunogenic protein #26473.

(first entry)

27-FEB-2002

AAU65577;

AAU65577 standard; protein; 58 AA.

RESULT 60

AAU65577

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bacterial infection, viral infection, parasitic infection, osteoporosis, wound; atherosclerosis, Alzheimer's disease, Parkinson's disease, ulcer, food additive, food preservative.
                                                                                                                                                                        Rosen CA,
A, Kyaw H,
                                                                                                                                                                                                                                                                                                                                                                            61.3%;
                                                        28-MAR-2001; 2001US-00818683.
                                                                    99US-00305736.
                                                                                                                                                                              Moore PA, I
                                                                                                          NI J.
WEI Y.
SOPPET D R.
MOORE P A.
                                                                                                                                                  JANAT F.
ENDRESS G A.
                                                                                                                                 KYAW H.
LAFLEUR D W.
                                                                                                                                                                                               WPI; 2004-051575/05.
                                                                             FENG P.
RUBEN S M.
ROSEN C A.
EBNER R.
OLSEN H S.
                                                                                                                                                             CARTER K C.
                                                                                                                                                                         Ruben SM,
                                                                                                                                                                                                     N-PSDB; ADG78368
                                  US2003211472-A1.
                                                                                                                                                                                                                                                                                                                                                                  Sequence 51 AA;
                                                                   05-MAY-1999;
                       Homo sapiens
                                                                                                                                                                               Soppet DR,
Endress GA,
                                             13-NOV-2003.
                                                                                                                                                                                                                                 diabetes
                                                                                                                                                                              OR,
                                                                                                                                                                                                                                                                                                                                                                             Query Match
                                                                                                                                                                         Feng P,
                                                                               FENG/)
                                                                                                                                                              (CART/)
                                                                                    (RUBE/)
(ROSE/)
(EBNE/)
                                                                                                                (WEIY/)
                                                                                                                                (KYAW/)
                                                                                                                                                  (JANA/)
(ENDR/)
                                                                                                     (OLSE/
                                                                                                           (NIJJ)
                                                                                                                                       LAFL/
                                                                                                                                            SHIY/
                                                                                                                            (MOOR,
```

Propionibacterium acnes polypeptides and nucleic acids useful for vaccinating against and diagnosing infections, especially useful for treating acne vulgaris.

Example 1; SEQ ID NO 26772; 1069pp; English.

Skeiky YAW, Persing DH, Mitcham JL, Wang SS, Bhatia A; L'maisonneuve J, Zhang Y, Jen S, Carter D;

WPI; 2001-616774/71.

N-PSDB; AAS59677.

21-APR-2000; 2000US-0199047P. 02-JUN-2000; 2000US-0208841P. 07-JUL-2000; 2000US-0216747P.

(CORI-) CORIXA CORP.

Wei Y;

Ni J,

Ebner R, Olsen HS, Lafleur DW, Shi Y,

Ebner R,

20-APR-2001; 2001WO-US012865.

```
diagnosing, preventing, prognosing or treating diseases or disorders associated with aberrant expression and/or activity of the secreted proteins, such as immune disorders, haematopoietic disorders.

Droteins, such as immune disorders, haematopoietic disorders in preticular, the diseases or inflammatory disorders. In particular, the diseases or disorders are HIV, anaemia, thrombocytopenia, bleeding, stroke, myocardial infarction, Addison's disease, rheumatory bowel disease, cancer, bacterial infections, viral infections, parasitic infections, osteoporosis, wounds, atherosclerosis, also be used as food additives or preservatives, or for modulating are brommanial infections, proposition of disease, remaining and additives or preservatives, or for modulating are brommental or physical characteristics. The nucleic acids are also used in chromosome mapping, in forensic biology or as molecular weight markers. This sequence represents a human secreted protein of the
New secreted nucleic acid for diagnosing, preventing or treating diseases associated with aberrant expression or activity of the polypeptide it encodes, e.g. cancer, human immunodeficiency virus, Parkinson's disease,
                                                                                                                                                                                                                                                                                                                                                                                                                         The invention also relates to human secreted proteins and the nucleic
                                                                                                                                                                                                                                                                                                         Claim 11; SEQ ID NO 257; 377pp; English.
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Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic polypeptides. The proteins and their associated DNA sequences are used in the treatment, prevention and diagnosis of medical conditions caused by P. acnes. The disorders include SAPHO syndrome (synovitis, acne, pustulosis, hypercosis and osteomyellis), uveitis and endophthalmitis. P. acnes is also involved in infections of bone, joints and the central nervous system, however it is particularly involved in the inflammatory lesions associated with acne vulgaris. A method for detecting the presence or absence of P. acnes in a patient comprises contacting a sample with a binding agent that binds to the proteins of the invention and determining the amount of bound protein in the sample. The polypeptides may be used as antigens in the production of antibodies contacting the amount of bound protein in the sample. The colypeptides may be used as antigens in the production of antibodies contacting the amount of bound activity of P. acnes polypeptides and therefore treat P. acnes infections. The antibodies may also be used as diagnostic agents for determining P. acnes presence, for example, by canzyme linked immunosorbent assay (ELISA). Note: The sequence data for this patent did not form part of the printed specification, but was
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           obtained in electronic format directly for five.wipo.int/pub/published_pct_sequences
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Best Local Similarity
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Gaps

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Score 38; DB 8; Length 51; Pred. No. 71; 4; Mismatches 1; Indels

5; Conservative

Best Local Similarity

Matches

:|:|:||| 28 VCQYVIVRVC 37 2 LCRIVVIRVC 11

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conciding a Propionibacterium acnes protein. The invention also relates to polypeptides encoded by the polynucleotides (ABM35624-ABM64536) and to immunogenic fragments of P. acres polypeptides. The invention also relates to polypeptides encoded by the polynucleotides (ABM35624-ABM64536) and to immunogenic fragments of P. acres polypeptides. The invention additionally encompasses expression vectors and host cells comprising a polypeptide of the invention; taking in membral perspected of the invention; and the invention; and immuno immuno immuno proteins. Totall population of the invention; and immuno immuno proteins. Totall populations, or antigen-presenting cells that express the polypeptide); a method and kit for detecting or determining the presence or absence of P. acnes in a patient; and a method for inhibiting the development of P. acnes in a patient; The P. acnes polypeptides, polymucleotides, antibodies, fusion proteins, T cell populations or antigen-presenting cells that express the polymetride are useful for diagnosing, preventing cells that express the protein. The polymulations or antigen-presenting cells that express the protein. The polymulations or antigen-presenting cells that express the protein. The polymulations and also be used as probes or primers for nucleic acid hybridisation. The vaccine composition is useful for the sequence represents a polymetide predicted to be encoded by an ORF (open reading frame) contained within the P. acnes polymucleotides of the grimming frame) contained within the P. acnes polymucleotides of the canding frame) contained within the P. acnes polymucleotides of the printed specification, but was obtained in electronic format directly the print with the contained within the plant of the printed specification, but was obtained in electronic format directly the print with the polymore of the printed specification, but and the contained within the P. acnes polymore of the printed presents and the printed specification, the printed present and the present and the prese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New Propionibacterium acnes polypeptides and polynucleotides encoding the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        polypeptide, useful for diagnosing, preventing or treating acne vulgaris, or for stimulating an immune response specific for a P. acnes protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  invention relates to an isolated polynucleotide (ACF64435-ACF64733)
                                                                                                                                                          Propionibacterium acnes predicted ORF-encoded polypeptide #26772.
                                                                                                                                                                                                          Acne vulgaris; antiseborrhoeic; dermatological; antibacterial; immunostimulant; immune response; vaccine.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           61.3%; Score 38; DB 6; Length 58; 60.0%; Pred. No. 80; 1; Indels tive 3; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Persing DH, Bhatia A,
Lodes MJ, Benson DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 1; SEQ ID NO 26772; 1481pp; English.
ABM62096 standard; protein; 58 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mitcham JL, Skeiky YAW, Persi
Zhang Y, Wang S, Jen S, Lode
Barth B, Vallieve-Douglass J;
                                                                                                                                                                                                                                                                                                                                                                                                                                            11-OCT-2002; 2002WO-US032727.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15-OCT-2001; 2001US-00978825.
                                                                                                       (first entry)
                                                                                                                                                                                                                                                                                    Propionibacterium acnes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (CORI-) CORIXA CORP
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                                                                                                                                                                                                                                                                                                                                         WO2003033515-A1.
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                                                                                                       20-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                            24-APR-2003
                                                     ABM62096;
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Maisonneuve JL; Jones R, Carter D;

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polypeptides. The proteins and their associated DNA sequences are used in the treatment, prevention and diagnosis of medical conditions caused by a carnes. The disorders include SAPHO syndrome (synovitis, are, pustulosis, hypertosis and osteomyelitis), uveitis and endophthalmitis. P. acnes is also involved in infections of bone, joints and the central nervous system, however it is particularly involved in the inflammatory lesions associated with acne vulgaris. A method for detecting the presence or absence of P. acnes in a patient comprises contacting a sample with a binding agent that binds to the proteins of the invention of an determining the amount of bound protein in the sample. The polypeptides may be used as antigens in the production of antibodies specific for P. acnes proteins. These antibodies can be used to downregulate expression and activity of P. acnes polypeptides and therefore treat P. acnes infections. The antibodies may also be used diagnostic agents for determining P. acnes presence, for example, by chis patent did not form part of the printed specification, but was obtained in electronic format directly from NIPO at
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic
                                                                                                                                                                                                                                                                           SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis; uveitis; endophthalmitis; bone; joint; central nervous system; ELISA; inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay; dermatological; osteopathic; neuroprotectant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Propionibacterium acnes polypeptides and nucleic acids useful for vaccinating against and diagnosing infections, especially useful for treating acne vulgaris.
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                                                                                                                                                                                                                                            Propionibacterium acnes immunogenic protein #6152.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Persing DH, Mitcham JL, Wang
3 J, Zhang Y, Jen S, Carter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 1; SEQ ID NO 6451; 1069pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                AAU45256 standard; protein; 71 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-APR-2000; 2000US-0199047P.
02-JUN-2000; 2000US-0208841P.
07-JUL-2000; 2000US-0216747P.
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                                                                                                                                                                                                       27-FEB-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                              Propionibacterium acnes
                     2 LCRIVVIRVC 11
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nes 7; Conserv
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                                                                                                                                                                    AAU45256;
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Gaps

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Conservative

Best Local Similarity Matches 6; Conserv

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6; Length 71;

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(CORI-) CORIXA CORP.
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N-PSDB; ACF64454.
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                                                                                                                                                                                                                                                                 ABM41775;
                                                                                                                                          RESULT 63
ABM41775
ABM4177
ABM417
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Maisonneuve JL;
Jones R, Carter D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Propionibacterium acnes predicted ORF-encoded polypeptide #6451.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Acne vulgaris; antiseborrhoeic; dermatological; antibacterial; immunostimulant; immune response; vaccine.
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Zhang Y, Wang S, Jen S, Lodes MJ, Benson DR,
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                                                                                                                                                                                                                                                                                                                                                                  ABM41775 standard; protein; 71 AA.
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Barth B, Vallieve-Douglass J;
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1 RLCRIVVIRVCR 12
                                                       45 RRCRGVLLRCCR 56
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Sequence 71 AA;

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The invention relates to a unicellular organism for producing a diterpene or diterpene precursor comprising an exogenous nucleic acid sequence encoding a geranylgeranyl pyrophosphate synthase under the control of a promoter operable in the organism, and an exogenous nucleic acid sequence acceptance or diterpene synthase under the control of a promoter operable in the organism. The invention also relates to methods of producing a diterpene precursor and a method of isolating a diterpene or diterpene precursor and a method of isolating a diterpene synthase comprising growing several cells in the presence of a comprising growing several cells in the presence of a cyast expression library, and the expression of the cells further comprises at least one isolated and purified nucleic conditions where the expression is induced, filtering the cell/resin conditions where the expression is induced, filtering the cell/resin conditions where the expression is induced, filtering the cell/resin conditions where the cell/resin mixture with alcohol to produce an organic eluent and analysing the organic eluent by a screening method including chromatography and/or spectroscopy, to identify the nucleic acid sequence encoding the diterpene synthase. The unicellular contains an induced increases the contains and analysing the organic eluent and analysing the organic eluent procure or diterpene precursor producing contains an is useful as a diterpene or diterpene precursor producing contains and an expression of the contains the diterpene contains an encoding the diterpene contains and an expression of the contains 
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Geranylgeranyl pyrophosphate synthase; diterpene; diterpene precursor; diterpene synthase; defence toxin; volatile defensive signal; pollinator attractant; photoprotectant; enzyme.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New unicellular organisms comprising exogenous nucleic acids encoding geranylgeranyl pyrophosphate and a diterpene synthase, useful for producing diterpenes and diterpene precursors.
                                                              Gaps
                                                           ..
                                                        3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Geranylgeranyl pyrophosphate synthase polypeptide #43.
     Score 38; DB 6
Pred. No. 97;
2; Mismatches
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                                                                                                                                                                                                                                                                                                       ADM98644 standard; protein; 343 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           37-JAN-2002; 2002US-00041018.
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     61.3%;
58.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
Query Match
Best Local Similarity 58.3
Matches 7; Conservative
                                                                                                              1 RLCRIVVIRVCR 12
                                                                                                                                              45 RRCRGVLLRCCR 56
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Arabidopsis thaliana
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                                                                                                                                                                                                                                                                                                                                                                                                                   01-JUL-2004
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                                                                                                                                                                                                                                                 RESULT 64
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us-10-657-851-37.rag

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Length 343;

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or diterpone precursor comparising an exogenous nucleic acid sequence encoding a geranylgeranyl pyrophosphate synthase under the control of a promoter operable in the organism, and an exogenous nucleic acid sequence encoding a diterpene synthase under the control of a promoter operable in the organism. The invention also relates to methods of producing a diterpene precursor and a method of isolating a diterpene or diterpene precursor and a method of isolating a diterpene synthase comprising growing several cells in the presence of a polyaromatic resin to make a cell/resin mixture, where at least one of the cells further comprises at least one isolated and purified nucleic acid sequence of a yeast expression library, and the expression of the nucleic acid sequence of a gest expression library, and the expression of the nucleic acid sequence is regulated by an inducible promoter under conditions where the expression is induced, filtering the cell/resin mixture, with alcohol to produce an organic eluent and analysing the organic eluent by a screening method including chromatography and/or spectroscopy, to identify the nucleic acid sequence encoding the diterpene synthase. The unicellular microorganism is useful as a diterpene synthase. The unicellular system. Diterpenes, in plants, serve as defence toxins, volatile defensive signals, pollinator attractants and photoprotectants. This sequence represents a geranylgaranyl pyrophosphate synthase polypeptide of the invention. Note: The sequence data for this patent did not form part of the printed specification but was obtained in electronic format from USPTO at sequence.html.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        invention relates to a unicellular organism for producing a diterpene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New unicellular organisms comprising exogenous nucleic acids encoding a geranylgeranyl pyrophosphate and a diterpene synthase, useful for producing diterpenes and diterpene precursors.
                                                                                                                                                                                                                                                                                                                                                                                                                  diterpene precursor;
                                             Gaps
                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                              Geranylgeranyl pyrophosphate synthase; diterpene; diterpene pi
diterpene synthase; defence toxin; volatile defensive signal;
pollinator attractant; photoprotectant; enzyme.
Length 343;
                                             1; Indels
                                                                                                                                                                                                                                                                                                                                                                   Geranylgeranyl pyrophosphate synthase polypeptide #11.
Score 38; DB 8; I
Pred. No. 4.3e+02;
                                             4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 30; SEQ ID NO 32; 38pp; English.
                                                                                                                                                                                                                                          ADM98612 standard; protein; 343 AA.
  61.3%;
50.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-JAN-2002; 2002US-00041018.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            05-JAN-2001; 2001US-0259880P
                                                                                                                                                                                                                                                                                                                             01-JUL-2004 (first entry)
                                             Conservative
                                                                                     2 LCRIVVIRVC 11
                                                                                                              2 LCKIIIMRPC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matsuda SPT, Hart EA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (MATS/) MATSUDA S P T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-373921/35.
Query Match
Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                HART/) HART E A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2004072323-A1
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Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic polypeptides. The proteins and their associated DNA sequences are used in the treatment, prevention and diagnosis of medical conditions caused by a canes. The disorders include SAHD syndrome (syndovitis, acne, pustulosis, hypertosis and osteomyelitis), uveitis and endophthalmitis. The acnes is also involved in infections of bone, joints and the central nervous system, however it is particularly involved in the inflammatory issues associated with acne vulgaries. A method for detecting the presence or absence of P. acnes in a patient comprises contacting a sample with a binding agent that binds to the proteins of the invention and determining the amount of bound protein in the sample. The polypeptides may be used as antigens in the production of antibodies polypeptides may be used as antigens in the production of antibodies contacting the amount of bound protein in the sample. The commerce proteins proteins in the production of antibodies contactivity of P. acnes proteins. The acnes productions and activity of P. acnes polypeptides and therefore treat P. acnes infections. The antibodies may also be used as diagnostic agents for determining P. acnes presence, for example, by any enzyme linked immunosorbent assay (ELISA). Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic formet directly from WIPO at
                                          ..
                                                                                                                                                                                                                                                                                                                                                                                SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis; uveitis; endophthalmitis; bone; joint; central nervous system; ELISA; inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay; dermatological; osteopathic; neuroprotectant.
                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Propionibacterium acnes polypeptides and nucleic acids useful for vaccinating against and diagnosing infections, especially useful for treating acne vulgaris.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bhatia A;
                                                                                                                                                                                                                                                                                                                                               Propionibacterium acnes immunogenic protein #19601
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SS,
61.3%; Score 38; DB 8; ]
50.0%; Pred. No. 4.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                , Mitcham JL, Wang S.
Y, Jen S, Carter D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; SEQ ID NO 19900; 1069pp; English.
                                        4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                           AAU58705 standard; protein; 60 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        21-APR-2000; 2000US-0199047P.
02-JUN-2000; 2000US-0208841P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-APR-2001; 2001WO-US012865.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                07-JUL-2000; 2000US-0216747P
                                                                                                                                                                                                                                                                                                      (first entry)
                                          5; Conservative
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L'maisonneuve J, Zhang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Propionibacterium acnes
                                                                                2 LCRIVVIRVC 11
                                                                                                                     11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2001-616774/71.
N-PSDB; AAS59594.
Query Match
Best Local Similarity
                                                                                                         ||:|:::| |
2 LCKIIIMRPC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200181581-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 60 AA;
                                                                                                                                                                                                                                                                                                         13-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-NOV-2001
                                                                                                                                                                                                                                                                   AAU58705;
                                          Matches
                                                                                                                                                                                     RESULT 66
                                                                                                                                                                                                        AAU58705
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2 LCRIVVIRVCR 12
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                                                                                                                                                                 Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to an isolated polymuclectide (ACF64435-ACF64733)

cenceding a Propionibacterium acnes protein. The invention also relates to polymeptides encoded by the polymuclectides (ABM35624-ABM64536) and to immunogenic fragments of P. acnes polypeptides. The invention additionally encompasses expression vectors and host cells comprising a rivention; tusing no proteins comprising a polypeptide of the invention; antibodies against polypeptides of the invention; tusing an immune response specific for a P. acnes polypeptide and an isolated T cell population comprising T cells prepared to polymucleotides, avaccine composition (comprising P. acnes polypeptides, polymucleotides, antibodies, fusion proteins, T cell populations, or antigen-presenting cells that express the polypeptide); a method and kit for detecting or determining the presence or absence of P. acnes in a patient. The P. acnes polypeptides, polymucleotides, antibodies, fusion proteins, T cell populations or antigen-presenting cells that express the polymetides are useful for diagnosing, preventing cells that express the polymetides are useful for diagnosing, preventing cells that express the polymetides are useful for diagnosing, preventing or treating acne vulgaris, or for stimulating an immune response specific for a P. acnes protein, The polymucleotides can also be used as probes or primers for mucleic acid hybridisation. The vaccine composition is useful for the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       stimulation of an immune response against P. acnes, or for treating acne, and the kit is useful for performing a diagnostic assay. The present sequence represents a polypeptide predicted to be encoded by an ORF (open reading frame) contained within the P. acnes polymuclectides of the invention. Note: The sequence data for this parent did not form part of the printed specification, but was obtained in electronic format directly
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New Propionibacterium acnes polypeptides and polynucleotides encoding the polypeptide, useful for diagnosing, preventing or treating acne vulgaris, or for stimulating an immune response specific for a P. acnes protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Maisonneuve JL;
Jones R, Carter D;
                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Propionibacterium acnes predicted ORF-encoded polypeptide #19900
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Acne vulgaris; antiseborrhoeic; dermatological; antibacterial;
             Length 60;
                                                               1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Bhatia A,
Benson DR,
             Score 37; DB 4; I
Pred. No. 1.2e+02;
2; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; SEQ ID NO 19900; 1481pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             immunostimulant; immune response; vaccine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Mitcham JL, Skeiky YAW, Persing DH,
Zhang Y, Wang S, Jen S, Lodes MJ,
Barth B, Vallieve-Douglass J;
                                                                                                                                                                                                                                                                                           ABM55224 standard; protein; 60 AA.
                                                             7
          59.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15-OCT-2001; 2001US-00978825
                                                                                                                                                                                                                                                                                                                                                                                                20-OCT-2003 (first entry)
                                                               6; Conservative
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CRRMVVRVC 27
                                                                                                               3 CRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2003-381789/36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (CORI-) CORIXA CORP.
Query Match
Best Local Similarity
Matches 6; Conserv
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                                                                                                                                                                                                                                                                                                                                              ABM55224;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to Pseudomonas aeruginosa polypeptides and the polynucleotides encoding them. The sequences are useful in diagnosis and therapy of pathological conditions, as molecular targets for diagnostics, prophylaxis and treatment of pathological conditions resulting from a bacterial infection, for evaluating a compound, such as a polypeptide, for the ability to bind a P. aeruginosa nucleic acid, as components of effective antibacterial drugs, as targets for antibacterial drugs, including anti-P. aeruginosa drugs, as templates for recombinant production of P. aeruginosa-derived peptides or polypeptides, as target components for diagnosis and/or treatment of P. aeruginosa-caused infection, and in detection of P. aeruginosa sequences or other sequences of Pseudomonas species using biochip technology. Sequences ABO67826-ABO84336 represent P. aeruginosa polypeptides of the invention. Note: The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 useful as molecular targets for diagnostics, prophylaxis and treatment of pathological conditions resulting from bacterial infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel isolated nucleic acid encoding Pseudomonas aeruginosa polypeptide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Bacterial infection; Pseudomonas aeruginosa infection; antibacterial.
                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   sequence data for this patent did not form part of the printed specification but was obtained in electronic format from USPTO at seqdata.uspto.gov/sequence.html
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Pred. No. 3.4e+02;
1; Mismatches 3; Indels
                                                                                                              Score 37; DB 6; Length 60;
Pred. No. 1.2e+02;
2; Mismatches 1; Indels
from WIPO at ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 30203; 455pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pseudomonas aeruginosa polypeptide #13632.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nolling J, Deloughery C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABO81457 standard; protein; 181 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GENO-) GENOME THERAPEUTICS CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98US-0074788P.
98US-0094190P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               59.7%;
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                                                                                                                        59.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
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Best Local Similarity 63.67
Tr Conservative
                                                                                                                                                                            6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Seudomonas aeruginosa.
                                                                                                                                                                                                                                      3 CRIVVIRVC 11
                                                                                                                                                                                                                                                                        || :|:|||
19 CRRMVVRVC 27
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                                                                                                                 Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rubenfield MJ,
                                                             Sequence 60 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18-FEB-1999;
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793. .1061
/note= "Dehydratase (DH) 10 domain"
                                                                                                                             24-MAY-2000; 2000WO-US014298
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           5; Conservative
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298 RMCALALIRMC 308
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Streptomyces platensis.
                                                                Azoarcus tolulyticus
                                                                                                                                                                                                               WPI; 2001-041080/05
                                                                                                                                                                                                                                                                                                                                                                                                                                                 Best Local Similarity
                                  Thauera aromatica.
                                                                                                                                                                      UYOH-) UNIV OHIO.
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1618 AA;
                                                                                                                                                                                                                           N-PSDB; AAF23627
                                                                                    WO200072650-A2
                                                                                                                                                                                           Coschigano PW;
                                                                                                                                                   01-JUN-1999;
                                                                                                         07-DEC-2000.
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                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
                                                                                                                                                                                                                                                                      analogs.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Key
Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Domain
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL16175) and the encoded proteins (ABB57737-ABB72072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly
                                                                                                                                                                                                                                                                                                                                                                         New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                developmental biology; cell signalling; insecticide;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                             Drosophila melanogaster polypeptide SEQ ID NO 18954.
                                                                                                                                                                                                                                                                                                                      Myers EW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAB59829 standard; protein; 1618 AA.
                                                              ABB64054 standard; protein; 378 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Protein #6 encoded by TutD/E gene.
                                                                                                                                                                                                                                                                                                                      Li PWD,
                                                                                                                                                                                                                                              23-MAR-2001; 2001WO-US009231.
                                                                                                                                                                                                                                                                  23-MAR-2000; 2000US-0191637P.
11-JUL-2000; 2000US-00614150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            59.7%;
58.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (revised)
(first entry)
                                                                                                        (first entry)
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Best Local Similarity 58.3
Matches 7; Conservative
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49 REARVFLIRVCR 60
||| |:| ||
137 LCRRSVVRSCR 147
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 RLCRIVVIRVCR 12
                                                                                                                                                                                Drosophila melanogaster.
                                                                                                                                                                                                                                                                                                                      Adams M,
                                                                                                                                                                                                                                                                                                                                         WPI; 2001-656860/75.
N-PSDB; ABL08157.
                                                                                                                                                                                                                                                                                                 PEKE ) PE CORP NY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 378 AA
                                                                                                                                                             pharmaceutical
                                                                                                                                                                                                     WO200171042-A2
                                                                                                                                                                                                                                                                                                                                                                                             interactions
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                                                                                                        26-MAR-2002
                                                                                                                                                Drosophila;
                                                                                                                                                                                                                                                                                                                      Venter JC,
                                                                                                                                                                                                                          27-SEP-2001
                                                                                   ABB64054;
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                                          RESULT 69
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                                                     ABB64054
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The present invention relates to toluene degrading enzyme genes and proteins tuth (ase AAP23629 and AAB59831), tutI (AAF23630 and AAB59832), tutI (AAF23631 and AAB59834). The tuter (AAF23632 and AAB59834). The toluene degrading enzymes are homologues of pyruvate formate lyase, toluene degrading enzymes are useful for biological treatment of organic compounds and in particular for the degradation of toluene and its analogs contained in liquid or solid waste source. The present sequence is a protein sequence encoded by toluene degrading enzyme gene, TutD/E. (Updated on 11-SEP-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Composition comprising toluene degrading enzyme useful for biological treatment of organic compounds, especially for degrading toluene or its
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Streptomyces platensis subspecies rosaceus dorrigocin ORF7 protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LACT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
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/note= "Acyl carrier protein (ACP) 9 domain"
175. .612
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 37; DB 4; Length 1618;
Pred. No. 2.6e+03;
4; Mismatches 2; Indels
Toluene degradation; enzyme; waste degradation; TutE; TutD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Polyketide biosynthesis; dorrigocin; DORR; lactimidomycin;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /note= "Interaction domain 10"
793. .1061
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /note= "Ketosynthase
522. .777
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AAE35490 standard; protein; 1953 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure; Fig 12; 122pp; English.
                                                                                                  Stenotrophomonas maltophilia.
Geobacter metallireducens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     59.7%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99US-00323872.
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The invention relates to novel proteins involved in the biosynthesis of polyketide dorrigocin (DORR) or lactimidomycin (LACT) biosynthesis by microorganisms. Sequences of the invention allow direct manipulation of dorrigocin, lactimidomycin and related chemical structures via chemical engineering of the enzymes involved in the biosynthesis of dorrigocin and lactimidomycin. They are useful for introducing chemical handles into normally inert positions that permit subsequence chemical modifications and facilitate the development of polyketides. The genes and proteins of the invention can also be used to generate a focused library of analogues around a polyketide lead candidate to fine-tune the compound for optimal properties. They are useful for generating antibodies specific for the polyketide biosynthesis. The present sequence is Streptomyces platensis subspecies rosaceus DORR ORR7 protein
                                                                                                                                                                                                                                                                                                                                                                                            Novel isolated or purified polypeptide involved in biosynthesis of polyketide dorrigocin or polyketide lactimidomycin, useful for preparing dorrigocin or lactimidomycin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
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                                                   /note= "Acyl carrier protein (ACP) 10 domain"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          59.7%; Score 37; DB 6; Length 1953; 54.5%; Pred. No. 3.1e+03; ive 3; Mismatches 2; Indels
           /note= "Ketoreductase (KR) 10 domain"
1520. 1588
                                                                    1645. .1937
/note= "Thioesterase (Te) domain"
                                                                                                                                                                                                                                                                                                        Zazopoulos E, Staffa A, Yang X;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 13; Page 182-188; 312pp; English.
                                                                                                                                                                                                                                                                     (ECOP-) ECOPIA BIOSCIENCES INC
                                                                                                                                                                                               26-APR-2002; 2002WO-CA000591.
                                                                                                                                                                                                                                  26-APR-2001; 2001US-0286346P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 6; Conservative
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RVCAVVVEKVC
                                                                                                                                                                                                                                                                                                                                            WPI; 2003-201222/19.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 1953 AA;
                                                                                                                                                                                                                                                                                                                                                            N-PSDB; AAD54224
                                                                                                                      WO200288176-A2
                                                                                                                                                                                                                                                                                                        Farnet CM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                   Domain
                                                                      Domain
 Domain
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Gaps ;

Score 36; DB 7; Length 26; Pred. No. 78; 3; Mismatches 2; Indels

58.1**%**; 50.0**%**;

Query Match Best Local Similarity

Sequence 26 AA;

5; Conservative 2 LCRIVVIRVC 11 6 LCQLAICRVC 15

Matches

δ 엄 RESULT 73

The invention comprises the amino acid and coding sequences of novel proteins. The DNA and protein sequences of the invention are useful as: markers for tissues in which the corresponding protein is preferentially expressed; as molecular weight markers on gels; as chromosome markers or tags; to identify chromosomes or to map related gene positions; and to genetic disorders. The present amino acid sequence was used in the exemplification of the invention.

New polynucleotides, useful for expressing recombinant proteins for analysis, characterization or therapeutic use, or as markers for tissues in which the corresponding protein is preferentially expressed.

Disclosure; SEQ ID NO 2694; 1177pp; English

Wang J; Wang Z;

Zhang J, Zhao QA, ou P, Drmanac RT,

Goodrich RW, Ren F, Zhang

Tang YT, Asundi V, Goodrich RW, Ren F, Ghosh M, Xue AJ, Wehrman T, Weng G, Zł Ma Y, Wang D, Chen R, Xu C, Boyle BJ;

WPI; 2003-569235/53

2001US-0339453P. 2002US-0365091P. 2002US-0365384P.

14-MAR-2002;

12-APR-2002; 2002US-0372381P. 12-APR-2002; 2002US-0372615P. 22-APR-2002; 2002US-00128558.

22-APR-2002; 2002US-00128558 24-APR-2002; 2002US-0376045P

(HYSE-) HYSEQ INC.

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AAU14414 standard; protein; 47 AA.
                       AAU14414;
AAU14414
                ;
                                                                                                                                              novel gene; novel protein; tissue marker; molecular weight marker; chromosome marker; genetic disorder; contig.
                                                                                                                               Novel protein-related contig polypeptide sequence #216.
                                                                               ADE09150 standard; protein; 26 AA.
                                                                                                              29-JAN-2004 (first entry)
                                                                                              ADE09150;
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Human; novel protein; Antianaemic; osteopathic; antiinflammatory; immunomodulatory; cytostatic; neuroproceitive; vulnerary; noctropic; anticonvulsant; antiarthritic; cerebroprotective; antifungal; antiviral; antibocterial; antiallergic; dermatological; haemostatic; antiasthmatic; thrombolytic; immunogen; antibody; gene therapy; neurological disorder; Parkinson's disease; inflammatory disorder; cancer; asthma; osteoporosis; tissue regeneration; immune disorder.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-JAN-2000; 2000US-00491404.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   25-JAN-2001; 2001WO-US002623.
(first entry)
                                                                               Human novel protein #285.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (HYSE-) HYSEQ INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO200155437-A2.
24-OCT-2001
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10-DEC-2002; 2002WO-US039555

WO2003054152-A2

03-JUL-2003

Unidentified

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The invention relates to polynucleotides encoding novel human proteins or their active domains. The polypeptides, polynucleotides and antibodies raised against the polypeptides are used in a method of treatment of a mammal and prevention of disorders caused by the abserrant protein expression or activity. The polypeptides can be used as molecular weight markers, food supplements, and in antibody production. The polypeptides are used to identify compounds which bind to the polypeptides. Polynucleotides of the invention are used as probes and primers, for sequencing, for chromosome or gene mapping, in the production of recombinant proteins, and in generating anti-sense DNA or RNA and in gene therapy. Polypeptides of the invention can be used to target drugs to a therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     contraceptive, treating offecoporosis and osteoarthritis, anaemia, Alzheimer's, Parkinson's and Huntington's diseases, amylotrophic lateral sclerosis, stroke, immune deficiencies resulting from bacterial, viral or fungal infection or from autoimmunity, coroer, allergy, asthma, graftversus-host disease, eczema, haemophilia, thrombosis, anti-inflammatory diseases, nervous system disorders, and infection. The present sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; novel protein; Antianaemic; osteopathic; antiinflammatory; immunomodulatory; cytostatic; neuroprotective; vulnerary; nootropic; antiaonvulsant; antiarthritic; cerebroprotective; antifungal; antiviral; antisonabacterial; antiallargic; derebroprotective; nemostatic; antiathmatic; thrombolytic; immunogen; artibody; gene therapy; neurological disorder; Parkinson's disease; inflammatory disorder; cancer; asthma; osteoporosis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tumour, in assays to determine biological activity, to raise antibodies/elicit an immune response, to determine quantitative protein levels, as tissue markers, and to isolate receptors or ligands. Polypeptides of the invention may also be useful in treating platelet disorders, them cell disorders, regenerating bone, cartilage, tendon, ligament and/or nerve tissue, wound healing, treating burns, promoting the proliferation, differentiation and survival of stem cells, as a
                                                                                                                                  [solated polypeptides useful for treating anti-inflammatory diseases,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                       nervous system disorders, and for regenerating bone and cartilage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      58.1%; Score 36; DB 4; Length 47; 60.0%; Pred. No. 1.48+02; ive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               represents a protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                tissue regeneration; immune disorder.
                                                                                                                                                                                                   Example 4; Page 806; 894pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAU14178 standard; protein; 47 AA.
                      Drmanac RT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-JAN-2001; 2001WO-US002623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human novel protein #49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2 LCRIVVIRVC 11
                                                                WPI; 2001-451939/48.
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6 LCSICVLRLC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Local Similarity
                      Liu C,
                                                                                     N-PSDB; AAS22719
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 47 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO200155437-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAU14178;
                    rang YT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 74
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAU14178
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The invention relates to polynuclectides encoding novel human proteins or their active domains. The polypeptides, polynuclectides and antibodies can asked against the polypeptides are used in a method of treatment of a mammal and prevention of disorders caused by the abberrant protein expression or activity. The polypeptides can be used as molecular weight markers, food suppliements, and in antibody production. The polypeptides are used to identify compounds which bind to the polypeptides of polymential proteins, and in generating and in genes mapping, in the production of recombinant proteins, and in generating anti-sense DNA or RNA and in gene therapy. Polypeptides of the invention can be used to target drugs to a tumour, in assays to determine biological activity, to raise antibodies/elicit an immune response, to determine quantitative protein levels, as tissue markers, and to isolate receptors or ligands. Colypeptides of the invention may also be useful in treating platelet disorders, stem cell disorders, regenerating bone, cartilage, tendon, ligament and/or nerve tissue, wound healing, treating burns, promoting the proposition and survival of stem cells, as a great continuous and survival of stem cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               contraceptive, treating osteoporosis and osteoarthritis, anamia, Alzheimer's, Parkinson's and Huntington's diseases, amylotrophic lateral sclerosis, stroke, immune deficiencies resulting from bacterial, viral or fungal infection or from autoimmunity, cancer, allergy, asthma, graft-versus-host disease, eczema, haemophilia, thrombosis, anti-inflammatory diseases, nervous system disorders, and infection. The present sequence represents a protein of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human, coagulation disorder, haemophilia; wound; stroke, thrombosis; myocardial infarction; cancer; bone fracture; Alzheimer's disease; Parkinson's disease; autoimmune disorder; food supplement; haemostatic; vulnerary; cerebroprotective; thrombolytic; anticoagulant; cardiant; cytostatic; osteopathic; neuroprotective; nootropic; antiparkinsonian;
                                                                                                                                                                                                                     Isolated polypeptides useful for treating anti-inflammatory diseases, nervous system disorders, and for regenerating bone and cartilage.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .;
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                                                                                                                                                                                                                                                                                         Example 4; Page 555; 894pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADH80732 standard; protein; 47 AA.
                                                                                                          Drmanac RT;
                  25-JAN-2000; 2000US-00491404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          22-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 58.1
Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2 LCRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human polypeptide #49.
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6 LCSICVLRLC
                                                                                                                                                      WPI; 2001-451939/48.
                                                              (HYSE-) HYSEQ INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           immunosuppressive
                                                                                                          Fang YT, Liu C,
                                                                                                                                                                           N-PSDB; AAS22483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US2003232054-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 47 AA;
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Propionibacterium acnes.

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                                                                                                                                                                                                                                                                                                                                                                The invention relates to new isolated polynucleotides and polypeptides. The sequences, compositions and methods of the invention are useful for diagnosing, preventing or treating diseases involving aberrant protein expression or biological activity, such as coagulation disorders (e.g. haemophilia), wounds, stroke, thrombosis, myocardial infarction, cancer, bone fractures, Alzheinmer's disease, Parkinson's disease and autoimmune disorders. The polynucleotides may be used as hybridisation probes, as oligomers or primers, for polymerase chain reaction, for chromosome and gene mapping, in the recombinant production of proteins and in generation of antisense DNA or RNA. The polypeptides may be used in generating antibodies, as molecular weight markers or as food supplements. This sequence represents a human polypeptide of the invention.
                                                                                                                                                                                                                                                                                                  New polynucleotides and polypeptides useful for diagnosing, preventing or treating diseases involving aberrant protein expression or activity, e.g. hemophilia, wounds, stroke, thrombosis, cancer or autoimmune disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SAPHO syndrome; synovitis; acne; pustulosis; hypertosis; osteomyelitis; uveitis; endophthalmitis; bone; joint; central nervous system; ELISA; inflammatory lesion; acne vulgaris; enzyme linked immunosorbent assay; dermatological; osteopathic; neuroprotectant.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                               Qian XB, Wang ZW, Wehrman T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 47;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              58.1%; Score 36; DB 8; I
60.0%; Pred. No. 1.4e+02;
iive 2; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                             Claim 20; SEQ ID NO 757; 85pp; English.
                                                                                                                                                                                                                                               , Chen R, Drmanac RT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAU47375 standard; protein; 65 AA.
                                         2000US-00491404.
2000US-00617746.
2000US-00631451.
                     08-NOV-2002; 2002US-00291265
                                                                                 25-JAN-2001; 2001WO-US002623
03-AUG-2001; 2001US-00922279
                                                                       2000US-00663870
                                                                                                                                                                                                                                               Asundi V,
                                                                                                                                                                                                                                              Liu C, Asundi V
Zhou P, Cao Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27-FEB-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2 LCRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              6 LCSICVLRLC 15
                                                                                                                                                                                                               CAO Y.
DRMANAC R T.
                                                                                                                                                                                                                                                                             WPI; 2004-061257/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                               CHEN R.
QIAN X B.
WANG Z W.
                                                                                                                                                                                WEHRMAN T
                                                                                                                             LIU C.
ASUNDI V.
                                                                                                                                                                                          ZHANG J.
ZHOU P.
                                                                                                                  TANG Y T.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 47 AA;
                                          25-JAN-2000;
                                                                        15-SEP-2000;
                                                              03-AUG-2000;
18-DEC-2003
                                                                                                                                                                                                                                               rang YT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAU47375;
                                                                                                                                                                                                                                                           Zhang J,
                                                                                                                (TANG/)
(LIUC/)
(ASUN/)
                                                                                                                                                                                                     (ZHOU/)
(CAOY/)
(DRMA/)
                                                                                                                                                          (QIAN/)
(WANG/)
(WEHR/)
                                                                                                                                                                                           ZHAN/)
                                                                                                                                                CHEN/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 76
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polypeptides. The proteins and their associated DNA sequences are used in the treatment, prevention and diagnosis of medical conditions caused by P. acnes. The disorders include SAPHO syndrome (synovitis, acne, pustulosis, hypertosis and osteomyellis), uveitis and endophthalmitis.

P. acnes is also involved in infections of bone, joints and the central nervous system, however it is particularly involved in the inflammatory lesions associated with acne vulgaris. A method for detecting the presence or absence of P. acnes in a patient comprises contacting a ample with a binding agent that binds to the proteins of the invention and determining the amount of bound protein in the sample. The polypeptides may be used as antigens in the production of antibodies colorising the amount of bound protein in the sample to achieve the specific for P. acnes proteins. These antibodies can be used to downregulate expression and activity of P. acnes polypeptides and therefore treat P. acnes infections. The antibodies may also be used as diagnostic agents for determining P. acnes presence, for example, by enzyme linked immunosorbent assay (ELISA). Note: The sequence data for this patent did not form part of the printed specification, but was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequences AAU39105-AAU68017 represent Propionibacterium acnes immunogenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Propionibacterium acnes polypeptides and nucleic acids useful for vaccinating against and diagnosing infections, especially useful for treating acne vulgaris.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Propionibacterium acnes predicted ORF-encoded polypeptide #8570.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                            Bhatia A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               58.1%; Score 36; DB 4; Length 65; 77.8%; Pred. No. 1.9e+02; ive 1; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                            L, Wang SE
Carter D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 1; SEQ ID NO 8570; 1069pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           obtained in electronic format directly f.
ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                        Skeiky YAW, Persing DH, Mitcham JL,
L'maisonneuve J, Zhang Y, Jen S, C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ABM43894 standard; protein; 65 AA.
                                                                                                                                                                                                                  21-APR-2000; 2000US-0199047P.
02-JUN-2000; 2000US-0208841P.
07-JUL-2000; 2000US-0216747P.
                                                                                                                                             20-APR-2001; 2001WO-US012865
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Best Local Similarity 77.8-
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                                                                                                                                                                                                                                                                                                                                                               (CORI-) CORIXA CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2001-616774/71.
N-PSDB; AAS59538.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RLCRIVVIR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 RLCRVVVRR
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WO200181581-A2
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                                                                        01-NOV-2001
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Propionibacterium acnes.

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WO2003033515-A1

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Drosophila melanogaster.
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(RANK/) RANK D R.
                                                                                                                                                                                                                                                                                                                                                                                                                                              interactions.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       16-OCT-2003.
                                                                                                                   27-SEP-2001.
                                                                                                                                                                                                                                                                                                    Venter JC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABO55476;
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ઠે
                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to an isolated polynuclectide (ACF64435-ACF64733)
encoding a Propionibacterium acnes protein. The invention also relates to
polypoptides encoded by the polynuclectides. The invention
additionally encompasses expression vectors and host cells comprising a
additionally encompasses expression vectors and host cells comprising a
polymuclectide of the invention; antibodies against polypoptides of the
invention; fuel on proteins comprising a polypoptide of the invention; a
colympoptide and an isolated T cell population comprising T calls prepared
continued for stimulating an immune response specific for a P. acnes
continued for stimulating an immune response specific for a P. acnes
continued for stimulating the presence of the populations, or
continued the method is unclosed to the population of the acres polypoptides,
polynucleotides, antibodies, fusion proteins, T cell populations, or
continued the method for inhibiting the development of P. acnes in a
continued and method for inhibiting the development of P. acnes in a
continued and method for inhibiting the development of P. acnes in a
continued and method for inhibiting the development of P. acnes in a
continued for inhibiting the presente or absence of P. acnes
continued for an immune response specific for a P. acnes
continued for stimulating an immune response specific for a P. acnes
continued for stimulating an immune response specific for a P. acnes
content on the kit is useful for performing a diagnostic assay. The present
condition frame) contained within the P. acnes polynucleotides and the kit is useful for performing a darnes for
condition. Note: The sequence data for this patent did not form part of
the printed specification, but was obtained in electronic format directly
from WIPO at fip. published pott_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                        New Propionibacterium acnes polypeptides and polynucleotides encoding the polypeptide, useful for diagnosing, preventing or treating acne vulgaris, or for stimulating an immune response specific for a P. acnes protein.
                                                                                                                                                                                                  Maisonneuve JL;
Jones R, Carter D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Drosophila; developmental biology; cell signalling; insecticide;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Drosophila melanogaster polypeptide SEQ ID NO 27312.
                                                                                                                                                                                                Bhatia A,
Benson DR,
                                                                                                                                                                                                                                                                                                                                                                                                                       Example 1; SEQ ID NO 8570; 1481pp; English.
                                                                                                                                                                                                Skeiky YAW, Persing DH, ng S, Jen S, Lodes MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ABB66840 standard; protein; 75 AA.
                                                                                                                                                                                                                       Zhang Y, Wang S, Jen S, Lode
Barth B, Vallieve-Douglass J;
                                                                             11-OCT-2002; 2002WO-US032727.
                                                                                                                   15-OCT-2001; 2001US-00978825
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (CORI-) CORIXA CORP
                                                                                                                                                                                                                                                                               WPI; 2003-381789/36
                                                                                                                                                                                                                                                                                                  N-PSDB; ACF64467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 65 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 26-MAR-2002
                                       24-APR-2003
                                                                                                                                                                                                  Mitcham JL,
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The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher eukaryotes for the development of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA sequences (ABL16176) and the encoded proteins (ABBS7737-ABB72072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; gene expression; single exon probe; microarray; alternative splicing event; genomic alteration.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3; Mismatches
                                                                                                                                                                                                                                                                                                                                                        Myers EW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABO55476 standard; protein; 75 AA.
                                                                                                                                                                                                                                                                                                                                                           PWD,
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                                                                                                                                                                                        23-MAR-2000; 2000US-0191637P.
11-JUL-2000; 2000US-00614150.
                                                                                                                          23-MAR-2001; 2001WO-US009231
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                                                                                                                                                                                                                                                                                       (PEKE ) PE CORP NY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           N-PSDB; ABL10943
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WO200171042-A2
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The invention relates to a nucleic acid probe for measuring human gene expression, comprising any of the 27,400 fully defined nucleotide sequences in the specification, or their complements or fragments, and encoding at least 8 amino acids of any of the 6888 amino acid sequences tully defined in the specification. The probe is a single exon probe that hybridises under high stringency conditions to a nucleic acid melecule expression human cells or tissues. Also included are a spatially.

Cadressable set of single exon nucleic acid probes for measuring human center expression (comprising a plurality of single exon nucleic acid probes cited above, where each of the plurality of probes is separately and addressably isolatable or amplifiable from the plurality), a single exon microarray for measuring human gene expression, a method of measuring human gene expression, a vector comprising at least 8

Contiguous amino acids of any of the above- mentioned amino acid sequences (optionally with conservative amino acid substitutions), an expression and acids and any of the above mentioned amino acid above, and acids allowed any peptide cited above or microarray for measuring and any of the above mentioned amino acid substitutions), and acids any of the above mentioned amino acid above, and acids of any of the above mentioned amino acid above methods of any of the above mentioned amino acid above.
                                                                                                                                                                        New human genome-derived single exon nucleic acid probes useful for human gene expression analysis, for identifying or characterizing alternative splicing events, for assessing genomic alterations or as tools for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              smaller genomic alterations, in priming the synthesis of nucleic acids, or in expressing the ORF-encoded peptide. The present sequence is a human single exon probe protein of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   methods of selling and/or licepends slugle exon probes or microarrays to a customer desiring to measure gene expression, a method of providing human gene expression and to computer-readable storage medium which contains a database having a plurality of records (each record including data on the expression of a single exon probe cited above. The probe, methods and apparatus are useful in gene expression analysis. The probes may be used as tools for surveying tissues to detect the presence of expressed messages that contain their specific exon, or in constructing genome-derived single exon microarrays. In addition, the probes are used in identifying and characterising alternative splicing events, in detecting and characterising gross alterations in the genomic locus that includes their exon, in assessing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       obtained in electronic format directly from USPTO at segdata.uspto.gov/sequence.html?DocID=20030194704
                                                                                                                                                                                                                                                                                                                                 Claim 45; SEQ ID NO 29110; 80pp; English.
                                                            Hanzel DK;
                                                                                                                     WPI; 2004-119264/12
(HANZ/) HANZEL D K.
                                                         Rank DR,
                                                                                                                                                                                                                                                                           surveying tissues.
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Gaps
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                          58.1%; Score 36; DB 8; Length 75; 60.0%; Pred. No. 2.18+02; tive 2; Mismatches 2; Indels
                                                          6; Conservative
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                                          Local Similarity
Sequence 75 AA;
                            Query Match
                                             Best Loca
Matches
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19 LCRLWVLHVC 28 g

ABG14129 standard; protein; 115 AA. ABG14129; RESULT 80 ABG14129

Novel human diagnostic protein #14120.

18-FEB-2002 (first entry)

Human, chromosome mapping, gene mapping, gene therapy, forensic, food supplement, medical imaging, diagnostic, genetic disorder.

gene therapy Homo sapiens

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The invention relates to isolated polymucleotide (I) and polypeptide (II) sequences. (I) is useful as hybridisation probes, polymerase chain caction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polymucleotides are also used in diagnostics as expressed sequence tags for identifying expressed consists of (I) is useful in gene therapy techniques to restore normal activity of (II) or to treat disease states involving (II). (II) is cuseful for generating antibodies against it, detecting or quantitating a cupplement. (II) and its binding partners are useful in medical imaging of sites expressing (II). (II) and its binding partners are useful in medical imaging of sites expressing (II). (II) and its binding partners are useful for treating disorders of sites expressing (II). (II) are useful for treating disorders of involving aberrant protein expression or biological activity. The polypeptide and polymucleotide sequences have applications in disorders conduct other types of data and products dependent on DNA and amino acid sequences. ABGOOOIO-ABG30377 represent novel human dispnostic amino acid sequences of the invention. Note: The sequence data for this patent did not appear in the printed specification, but was obtained in the printed preferences. The sequences of the invention of electronic format directly from WIPO at the printed specification, but was obtained in the printed produces.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0; Gaps
                                                                                                                                                                                                                                                                                                                                                 New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 36; DB 4; Length 115;
Pred. No. 3.2e+02;
1; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 20; SEQ ID NO 44488; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADC87319 standard; protein; 269 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human GPCR protein SEQ ID NO:1772.
                                                                                                               30-MAR-2001; 2001WO-US008631
                                                                                                                                                      31-MAR-2000; 2000US-00540217
                                                                                                                                                                        23-AUG-2000; 2000US-00649167
                                                                                                                                                                                                                                                     Tang YT;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 58.1%;
58.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-JAN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match
Best Local Similarity bo...
7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     101 RRCRILAHRPCR 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                            WPI; 2001-639362/73.
                                                                                                                                                                                                                                                     Drmanac RT, Liu C,
                                                                                                                                                                                                               (HYSE-) HYSEQ INC
                                                                                                                                                                                                                                                                                                              N-PSDB; AAS78316
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 115 AA;
                                      WO200175067-A2
  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                               biodiversity
                                                                           11-OCT-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADC87319;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 81
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADC87319
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us-10-657-851-37.rag

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ADC95320 standard; protein; 334 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           THERAPEUTICS CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            98US-0085598P.
                                                                            Kovalic DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   58.1%;
54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98US-00107532
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              97US-0051571P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                187 RACRVNPLRVC 197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 RLCRIVVIRVC 11
 Α.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Enterococcus faecium
                                                                                                         WPI; 2004-180133/17.
                             TABASKA J E.
KOVALIC D K
SCREEN S E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Doucette-Stamm LA,
                                                                                                                                                                                         improving yield.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 284 AA;
                                                                              Zhou Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GENO-) GENOME
                                               CAO Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 30-JUN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              02-JUL-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14-MAY-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US6583275-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-JUN-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADC95320;
 (KOVA/)
(SCRE/)
                              (TABA/)
(CAOY/)
                                                                              Liu J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 83
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                                                                                                                                                                                                                                                                                                                                             The invention relates to a novel polymucleotide encoding a guanosine triphosphate-binding protein coupled receptor (GPCR). A polymucleotide of the invention may have a use in gene therapy. The polymucleotide are polypeptide are useful for preparing a composition for treating a patient in need of increased or suppressed activity or expression of the guanosine triphosphate-binding protein coupled receptor. The protein sequences shown in ADC85549-ADC87617 represent GPCR's of the invention.
                                                                                                                                                                                                                                                  New polynucleotide, useful for preparing a composition for treating a patient in need of increased or suppressed activity or expression of the guanosine triphosphate-binding protein coupled receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          plant protectant; plant growth regulant; gene therapy; plant; recombinant DNA construct; physical array; plant breeding marker; cold tolerance; heat tolerance; drought tolerance; herbicide tolerance; extreme osmotic condition; pathogen tolerance; pest tolerance; growth rate; cell cycle pathway; disease resistence; galactomannan production; lighin production; plant growth regulator; yield; plant growth; plant development; seed oil; protein yield;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       58.1%; Score 36; DB 7; Length 269; 54.5%; Pred. No. 7e+02; 21. Mismatches 3; Indels
                                                                                                                        NAT INST ADVANCED IND SCI & TECHNOLOGY.
CENT ADVANCED SCI & TECHNOLOGY INCUBATIO.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Plant full length insert polypeptide segid 39115.
                                                                                                                                                                       Suwa M, Asai K, Akiyama Y, Aburatani H;
                                                                                                                                                                                                                                                                                                                 Claim 2; SEQ ID NO 1772; 28pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADX68272 standard; protein; 284 AA.
                                                             18-JUN-2002; 2002EP-00013517.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               28-APR-2003; 2003US-00425114.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-MAY-1999; 99US-00304517.
05-NOV-2001; 2001US-00985678.
                                                                                            18-JUN-2001; 2001JP-00246789
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Conservative
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RVCVFIYIRVC 101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 RLCRIVVIRVC 11
                                                                                                                                                                                                      WPI; 2003-315783/31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                      N-PSDB; ADC87318
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 269 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JS2004034888-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       protein content
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (LIUJ/) LIU J.
(ZHOU/) ZHOU Y.
EP1270724-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Unidentified
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-APR-2005
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9
                              02-JAN-2003
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                         NAAD-)
                                                                                                                                          (ADSC-)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Loc
Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 82
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The invention describes a recombinant DNA construct comprising a polymucleotide consisting of a sequence encoding an amino acid sequence available in electronic form from the US patent office at try. seqdata. uspto.gov/sequence.html?DocID:2004034088. The polymucleotide of the invention are also useful in physical arrays of molecules and as plant breeding markers. The recombinant DNA construct is useful for improving plant tolerance to cold, heat, drought, herbicides, extreme of the conditions, pathogens or pests, for manipulating growth rate in plant cells by modification of the cell cycle pathway, for conferring increased resistance to plant disease, for producing galactomannan, increased resistance to plant disease, for increasing the rate of homologous recombination in plants, for improving yield by modification of photosynthesis or carbohydrate, nitrogen or phosphorus use and/or uptake or by providing improved plant growth and development under at least one carress condition or for modifying seed oil or protein yield and/or content. This is the amino acid sequence of a plant full length insert polypeptide that can be used in the recombinant DNA construct of the
                                                                                                                                                                                 cold, heat, drought, herbicides, extreme osmotic conditions, pathogens or pests, for conferring increased resistance to plant disease, or for improving yield.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Vaccine, urinary tract infection; bacteraemia; endocarditis; wound; abdominal-pelvic infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
Cao Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 36; DB 8; Length 284;
Pred. No. 7.4e+02;
2; Mismatches 3; Indels
Tabaska JE,
Screen SE,
                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 1; SEQ ID NO 39115; 15pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 E. faecium protein sequence SEQ ID 4947.
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The invention relates to an isolated nucleic acid derived from Enterococcus faecium encoding an Enterococcus faecium polypeptide having one of 10 fully defined sequences given in the (or comprising 40 one of 10 fully defined sequences given in the (or comprising 40 one of 10 fully defined schosen from any of the nucleic acids, its complement or sequences hybridishing to it). Also included are a recombinant vector comprising the nucleic acid operably linked to transcription regulatory element, a cell comprising the vector and a single-stranded probe comprising the nucleic acid are single-stranded probe comprising the nucleic acid are chosen from 3654 disclosed sequences encoding 3654 disclosed proteins. The nucleic acids is useful for diagnosing pathological conditions resulting from E. faecium bacterial infection (e.g. urinary tract infection) and for screening drugs such as agonists and antagonists. The nucleic acid is useful for recombinant production of Candida albicans containing the nucleic acid are useful for preventing or treating Enterococcus faecium infections. The present sequence represents
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Recombinant DNA construct; transformed plant; improved plant property; cold tolerance; heat tolerance; drought tolerance; herbicide; osmosis; pathogen tolerance; pest tolerance; plant disease resistance; cell cycle pathway modification; plant growth regulator; homologous recombination; seed oil yield; protein yield; carbohydrate; nitrogen; phosphorus; photosynthesis; lignin; galactomannan;
                                                                     New isolated nucleic acid derived from Enterococcus faecium encoding a
Enterococcus faecium polypeptide useful for detection, prevention and
treatment of a pathological condition resulting from a bacterial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      58.1%; Score 36; DB 7; Length 334;
50.0%; Pred. No. 8.6e+02;
....matches 3; Indels
                                                                                                                                                                   Example 1; SEQ ID NO 4947; 243pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   the disclosed E. faecium proteins.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADS43623 standard; protein; 391 AA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bacterial polypeptide #22053.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20-FEB-2003; 2003US-00369493
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 21-FEB-2002; 2002US-0360039P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 RLCRIVVIRVCR 12
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| RLCKIIRKEVCK 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                bacterial polypeptide
               2003-799836/75.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HINKLE G J.
SLATER S C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity
                                   N-PSDB; ADC91666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 334 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US2003233675-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (SLAT/) SLATER
(CHEN/) CHEN X.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CAOY/) CAO Y.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-DEC-2003.
                                                                                                                                infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADS43623;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bacteria.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     one if
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 84
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promoter functional in a plant cell, where the promoter is positioned to promoter functional in a plant cell, where the promoter is positioned to provide for expression of a polymucleotide encoding a polypeptide from a microbial source. The invention also relates to a transformed plant comprising the recombinant DNA construct and a method of producing a transformed plant having an improved property comprises transforming a plant with the recombinant DNA construct and growing the transformed plant, where the polymucleotide or polypeptide is useful for improving plant with the improved plant properties. The recombinant DNA construct is useful for improving plants with increased resistance to herbicides, extreme osmotic conditions, pathogens or pestes, colerance to herbicides, extreme osmotic conditions, pathogens or pestes, increased resistance to plant disease, better growth rate by modification of the cell cycle pathway with plant growth regulators, increased rate of homologous recombination, modified seed oil or protein yield and/or content, improved yield by modification of photosynthesis or by providing improved plant growth and development under at least one stress providing improved plant growth and development under at least one stress
                                                                                                              New recombinant DNA construct comprising a promoter positioned to provide for expression of a polynucleotide encoding a polypeptide from a microbial source, useful for producing plants with improved properties.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          condition, improved lignin production or improved galactomannan production. This sequence represents a bacterial polypeptide used in the scope of the invention. Note: The sequence data for this patent did not form part of the printed specification but was obtained in electronic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                  The invention relates to a recombinant DNA construct comprising a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 391;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          format from USPTO at segdata.uspto.gov/sequence.html
                                      Goldman BS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   amino acid transporter; plant; animal nutrition.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 36; DB 8;
Pred. No. 1e+03;
4; Mismatches
                                                                                                                                                                                              Claim 1; SEQ ID NO 22053; 122pp; English.
                                      Chen X,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Maize amino acid transporter protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADK41695 standard; protein; 462 AA.
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                                      Cao Y, Hinkle GJ, Slater SC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       58.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            31-JAN-2003; 2003WO-US002978.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-FEB-2002; 2002US-0353062P.
31-JAN-2003; 2003US-00355430.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 LCRIVVIRVC 11
(GOLD/) GOLDMAN B S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity
nes 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 391 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2003066879-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      14-AUG-2003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADK41695;
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Gaps ö

Length 334;

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Unidentified
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  dentity with any of these or its complements; or biologically functional acquences having conservative amino acid sequence changes. The nucleic acid molecules having conservative amino acid sequence changes. The nucleic acid molecules encoding the amino acid transporters are useful for altering the activity of the amino acid transporters in a plant, or for producing a plant tissue with an increased amino acid content. The transformed plants or plant parts are useful in providing new and improved food and feed for human and animal nutrition needs. The nucleic acid molecules may also be used to obtain nucleic acid homologues, or to isolate promoters of cell enhanced, cell specific, tissue enhanced, tissue specific, developmentally or environmentally regulated expression profiles. This sequence corresponds to one of the proteins of the
                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New recombinant DNA constructs useful in the field of biochemistry and genetics, and in particular for producing transgenic plants with improved biological characteristics.
                                                           altering the activity of the amino acid transporters, useful for producing a plant tissue with an increased amino acid content.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       disease resistance; galactomannan production; plant growth regulator; heat tolerance; herbicide tolerance; lignin production; extreme osmotic condition tolerance; pathogens resistance; pest resistance; pest resistance; pest resistance; yield improvement; seed oil yield; seed protein yield.
                                                                                                                                 The invention relates to a purified nucleic acid molecule encoding an
                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Plant; transgenic; cold tolerance; growth rate; drought tolerance;
                                                                                                                                                                                                                                                                                                                                                                      .
0
                                                                                                                                                                                                                                                                                                                                          Score 36; DB 7; Length 462; Pred. No. 1.2e+03; 2; Mismatches 3; Indels
                                                                                                           Claim 8; SEQ ID NO 14; 192pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADT58108 standard; protein; 471 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Plant polypeptide, SEQ ID 8185.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-APR-2003; 2003US-00425115.
                                                                                                                                                                                                                                                                                                                                           58.1%;
54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18-DEC-2003; 2003US-00739930
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-APR-2003; 2003US-00424599
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13-JAN-2005 (first entry)
                                                                                                                                                                                                                                                                                                                                           Query Match 58.1
Best Local Similarity 54.5
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                  365 RACRVNPLRVC 375
                                                                                                                                                                                                                                                                                                                                                                                           1 RLCRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-757369/74.
                        2003-731505/69
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (KOVA/) KOVALIC D K
                                  N-PSDB; ADK41696
                                                                                                                                                                                                                                                                                                                     Sequence 462 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US2004216190-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Viridiplantae.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Kovalic DK,
                                                                                                                                                                                                                                                                                              invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADT58108;
 Dong J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 86
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The invention relates a recombinant DNA construct comprising a polymucleotide having any of 5544 mucleotide sequences (CDNAs SEQ ID NO: 1-5544) and encoding a polymeptide with any of 5544 amino acid sequences (SEQ ID NO: 545-11088). The CDNAs and proteins are from corn, soybean, Arabidopsis, wheat and rape but the specification does not indicate which sequences is derived from which organism. Also included is a method of producing a plant having an improved property, comprising transforming a plant with a recombinant DNA construct comprising a promoter region functional in a plant cell operably joined to a polymucleotide encoding a plant. The property is selected from improving plant cold tolerance, for manipulating growth rate in plant cells by modification of the cell cycle pathway, for improving plant disease, for glactomannan production, for production of plant tolerance to pathway, for improving plant tolerance to extreme osmotic conditions, for improving plant tolerance to pathogens or pests, for yield improvement by modification of carbohydrate, nitrogen or phosphorus use and/or uptake modification of carbohydrate, nitrogen or phosphorus use and/or uptake modification of carbohydrate, nitrogen or phosphorus use and/or uptake and for yield improvement by providing improvement by providing improvement by providing improvement by providing improvement by and compositions of the present invention are useful in the field of biochemistry and improved biological characteristics such as increased yield, improved introgen conditions, and improving plant tolerance to extreme osmotic manipulations, and improving plant colerance to pathogens. The methods and composition of arrays of medicine swelpant some present invention are useful in the field of biochemistry and improving 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          arrays or molecules, plant breeding markers, computer-based storage and analysis systems. The present sequence is one of the 5544 plant protein sequences of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from USPTO at sequence. Uspto.gov/sequence.html?DocID=20040216190.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             plant protectant; plant growth regulant; gene therapy; plant; recombinant DNA construct; physical array; plant breeding marker; cold tolerance; heat tolerance; drought tolerance; herbicide tolerance; extreme osmotic condition; pathogen tolerance; pest tolerance; growth rate; cell gycle pathway; disease resistance; galactomannan production; lignin production; plant growth regulator; yield; plant growth; plant development; seed oil; protein yield;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          58.1%; Score 36; DB 8; Length 471; 54.5%; Pred. No. 1.2e+03; ive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Plant full length insert polypeptide segid 38947.
Claim 2; SEQ ID NO 8185; 14pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADX68104 standard; protein; 517 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-APR-2005 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                372 RACRVNPLRVC 382
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 RLCRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein content
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US2004034888-A1

SCREEN S E.
TABASKA J E.

(KOVA/) (SCRE/) (TABA/) (CAOY/)

ZHOU Y.

(/fnin)

WPI; 2004-180133/17.

Zhou Y,

Liu J,

CAO Y

improving yield.

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The invention relates to a recombinant DNA construct comprising a promoter functional in plants operably linked to an oil-associated gene. The construct is useful for transgenic plant seed which has in its genome the construct, that is functional in the plant to transcribe the oil-associated gene. The transgenic plant seed grows into a plant having enhanced seed oil as compared to wild type. The construct is useful for producing hybrid maize seed. The transgenic plant seed is useful for producing vegetable oil. The present sequence represents the amino acid sequence of an oil-associated gene related protein.
                                                                                                                                                                                                                                                                                                                                                                                                                Novel recombinant DNA construct comprising a promoter functional in plants operably linked to an oil-associated gene for producing transgenic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Plant; transgenic; cold tolerance; growth rate; drought tolerance; disease resistance; galactomannan production; plant growth regulator; heat tolerance; herbicide tolerance; lignin production; extreme osmotic condition tolerance; pathogens resistance; pest resistance; yield improvement; seed oil yield; seed protein yield.
                                                                                                                                                                                                                                                                                                                     Savage T, Ledeaux JR, Rogers JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    58.1%; Score 36; DB 8; Length 537; 54.5%; Pred. No. 1.3e+03; ive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 3; SEQ ID NO 838; 22pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADT60441 standard; protein; 645 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Plant polypeptide, SEQ ID 10518.
                                                                                      15-MAR-2002; 2002US-0365301P.
26-JUN-2002; 2002US-0391786P.
26-JUN-2002; 2002US-0392018P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            28-APR-2003; 2003US-00424599.
28-APR-2003; 2003US-00425115.
                                             14-MAR-2003; 2003US-00389566.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           13-JAN-2005 (first entry)
                                                                                                                                                                                                                                                                                                                        Laurie CC, Ravanello M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 54.5
nes 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            :||: ||||
277 MCRVSWTRVCR 287
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 LCRIVVIRVCR 12
                                                                                                                                                                               LAURIE C C.
RAVANELLO M.
SAVAGE T.
LEDEAUX J R.
                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-142683/14.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (KOVA/) KOVALIC D K.
                                                                                                                                                                                                                                                                        (ROGE/) ROGERS J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 537 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2004216190-A1.
05-FEB-2004,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        8-OCT-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   plant seed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADT60441;
                                                                                                                                                                               (LAUR/)
(RAVA/)
(SAVA/)
(LEDE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention describes a recombinant DNA construct comprising a polymucleotide consisting of a sequence encoding an amino acid sequence available in electronic form from the US patent office at the sequence. Here is a sequence encoding an amino acid sequence to the sequence of the invention are also useful in physical arrays of molecules and as plant breeding markers. The recombinant DNA construct is useful for improving plant tolerance to cold, heat, drought, herbicides, extreme camporate particular pathogens or pests, for manipulating growth rate in plant cells by modification of the cell cycle pathway, for conferring increased resistance to plant disease, for producing galactomannan, ignin or plant growth regulators, for increasing the rate of homologous recombination in plants, for improving yield by modification of photosynthesis or carbohydrate, introgen or phosphorus use and/or uptake or by providing improved plant growth and development under at least one structum of the amino acid sequence of a plant full length insert content. This is the amino acid sequence of a plant full length insert polyperide that can be used in the recombinant DNA construct of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                    New recombinant DNA construct, useful for improving plant tolerance to cold, heat, drought, herbicides, extreme osmotic conditions, pathogens or pests, for conferring increased resistance to plant disease, or for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   oil-associated gene; transgenic; enhanced seed oil; vegetable oil.
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                                                                                                                                                                                                                                                                                                                                                                     Cao Y;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   58.1%; Score 36; DB 8; Length 517
60.0%; Pred. No. 1.3e+03;
ive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                   Tabaska JE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Oil-associated gene related protein #334.
                                                                                                                                                                                                                                                                                                                                                                     Screen SE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID NO 38947; 15pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADJ48834 standard; protein; 537 AA.
                                                                                      28-APR-2003; 2003US-00425114.
                                                                                                                                 06-MAY-1999; 99US-00304517, 05-NOV-2001; 2001US-00985678.
                                                                                                                                                                                                                                                                                                                                                                Kovalic DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          06-MAY-2004 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ||:|| : ||
232 CRVVVKKSCR 241
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Best Local Similarity

Matches

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Query Match

Sequence 517 AA;

invention.

US2004025202-A1

Unidentified

ADJ48834;

RESULT 88 ADJ48834

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Gaps

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The invention relates a recombinant DNA construct comprising a polypeptide with any of 5544 mucleotide sequences (CDNAs SEQ ID NO: 1-5544) and encoding a polypeptide with any of 5544 amino acid sequences (SEQ ID NO: 5545-11088). The CDNAs and proteins are from corn, soybean, Arabidopsis, wheat and rape but the specification does not indicate which sequences is derived from which organism. Also included is a method of producting a plant having an improved property, comprising transforming a plant with a recombinant DNA construct comprising transforming a plant with a recombinant DNA construct comprising the transformed collypeptide associated with the property, and growing the transformed plant. The property is selected from improving plant cold tolerance, for manipulating growth rate in plant cells by modification of the cell cycle pathway, for improving plant the area of the cell cycle pathway, for improving plant drought tolerance, for providing increased resistance to plant disease, for improving plant tolerance to plant tolerance to herbicides, for increasing the rate of homologous recombination in plants, for light in providing plant tolerance to extreme osmotic conditions, for improving plant tolerance to pathogens or pests, for yield improvement by modification of carbohydrate, nitrogen or phosphorus use and/or uptake modifying seed protein yield and/or content, for yield improvement by modification of development under at least one stress condition. The polynucleotide may also encode a plant transcription factor. The methods and compositions of the present invention are useful in the field of biochemistry and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                   oinant DNA constructs useful in the field of biochemistry and and in particular for producing transgenic plants with improved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     flow, increasing plant tolerance to cold or heat, improving plant tolerance to extreme osmotic and drought conditions, and improving plant tolerance to plant pests or pathogens. They can also be used in physical arrays of molecules, plant breeding markers, computer-based storage and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  arrays of molecules, plant breeding markers, computer-based storage and analysis systems. The present sequence is one of the 5544 plant protein sequences of the invention. Note: The sequence data for this patent did not ferm part of the printed specification, but was obtained in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         genetics, in particular for producing transgenic plants with improved biological characteristics such as increased yield, improved nitrogen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Plant, maize, rice, sorghum, thale cress; soybean, wheat, transgenic, osmotic stress; sugar transport, cell cycle pathway; plant height, carbohydrate transport, crop productivity; plant growth;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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Pred. No. 1.6e+03;
1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                segdata.uspto.gov/sequence.html?DocID=20040216190
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        from USPTO at
                                                                                                                                                                                                                          Claim 2; SEQ ID NO 10518; 14pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    58.1%;
                                                                                                                                                                     biological characteristics.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      format directly
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       182 ICRCVVÍNAC 191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 LCRIVVIRVC 11
                                                                    WPI; 2004-757369/74.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 645 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADM48165;
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADM48165
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present sequence represents a polypeptide sequence of the invention. Note: The sequence data for this patent is not provided in the printed specification but is obtained in electronic format from the USPTO website
stress resistance; disease resistance; insect resistance; heat tolerance;
                                                                                                                                                                                                                                                                                                                                                                                                                                            New polynucleotide, useful for manipulating plant protein quality, improving plant growth, yield and crop productivity or grain composition or producing plants with improved properties.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   assimilation, improving stalk strength, improving water stress tolerance, improving photosynthetic carbon fixation, improving blotosynthetic carbon fixation, improving blotosynthetic stress resistance, improving resistance to oxidative stress, providing increased vigour, reducing senescence, and conferring virus resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                  nitrogen assimilation; water stress tolerance;
photosynthetic carbon fixation; virus resistance; gene therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 709;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 36; DB 8; Lengtn vv.,
Pred. No. 1.8e+03;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Drosophila melanogaster polypeptide SEQ ID NO 2367.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 8; SEQ ID NO 583; 144pp; English.
                                                                                                                                                                                                                                                                                                                                                   Laccetti LB;
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                                                                                                                                                                                          04-DEC-2002; 2002US-00310154.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  58.1%;
                                                                                                                                                                                                                                 04-DEC-2001; 2001US-0337358P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-MAR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                 Edgerton MD, Chomet PS,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Local Similarity 50.0
les 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     387 ČŘLVITKSČŘ 396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3 CRIVVIRVCR 12
                                                                                                                                                                                                                                                                     (EDGE/) EDGERTON M D. (CHOM/) CHOMET P S. (LACC/) LACCETTI L B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            segdata.uspto.gov.
                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2004-061374/06.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 709 AA;
                                                                                                                                                                                                                                                                                                                                                                                                         N-PSDB; ADM47797
                                                                                                                US2003233670-A1
                                                                              Oryza sativa,
                                                                                                                                                      18-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABB58525;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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Matches
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The invention describes a new isolated ancestral feline immunodeficiency virus (PIV) nucleic acid sequence or its fragment is a determined founder sequence of a highly diverse viral strain, subtype or group. Also described are: an isolated ancestor protein or its fragment from FIV; an isolated expression construct comprising the operably linked elements consisting of a transcriptional promoter, a nucleic acid encoding an FIV ancestor protein and a transcriptional terminator; a cultured prokaryotic or eukaryotic cell transformed or transfected with the expression or eukaryotic cell transformed or transfected with the expression construct; a composition for inducing an immune response in a mammal comprising a highly diverse FIV ancestor protein or its antigenic fragment; a method of preparing an FIV viral amino acid sequence; a method for inducing an immune response to FIV in a host; a method for making an FIV vaccine; a kit comprising a composition comprising an FIV ancestor protein an antigenic fragment of an FIV ancestor protein an instructions for administering the composition to a subject; and a method instructions for administering the composition to a subject; and a method of virus (FIV) nucleic acid sequence of an ancestral FIV subtype against FIV. This is the amino acid sequence of an ancestral FIV subtype
                                                                                                                                                         New ancestral feline immunodeficiency virus (FIV) nucleic acid sequenc
or its fragment that is a determined founder sequence of a highly dive
viral strain, subtype or group, useful in preparing a vaccine against
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       virucide; vaccine; diagnosis; FIV infection; envelope; env.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 36; DB 9; Length 861;
Pred. No. 2.1e+03;
2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ancestral FIV subtype B envelope (env) SEQ ID NO 24.
                                                                                                                                                                                                                                                                            Claim 5; SEQ ID NO 22; 225pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADW38369 standard; protein; 861 AA.
                                                     Ross HA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mullins JI, Rodrigo A, Ross HA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AUCK-) AUCKLAND UNISERVICES LTD (UNIW ) UNIV WASHINGTON.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Feline immunodeficiency virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          58.1%;
54.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-MAY-2004; 2004WO-US015816
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         .9-MAY-2003; 2003US-00441926
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity 54.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          147 RNCRILTIAIC 157
                                                   Rodrigo A,
         (UNIW ) UNIV WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 RECRIVVIRVC 11
                                                                                             WPI; 2005-075527/08.
N-PSDB; ADW38366.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 861 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2005001029-A2
                                              Mullins JI,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to an isolated nucleic acid detection reagent capable of detecting 1000 or more genes from Drosophila. The invention is useful in developmental biology and in elucidating cell signalling and cell-cell interactions in higher enkaryotes for the development of insecticides, therapeutics and pharmaceutical drugs. The invention discloses genomic DNA sequences (ABL16176-ABL30511), expressed DNA aequences (ABL16179-ABL30511), expressed DNA ABB72072). The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New isolated nucleic acid detection reagent for detecting 1000 or more genes from Drosophila and for elucidating cell signaling and cell-cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
Drosophila, developmental biology; cell signalling; insecticide;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 36; DB 4; Length 762;
Pred. No. 1.9e+03;
; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ancestral FIV subtype B envelope (env) SEQ ID NO 22.
                                                                                                                                                                                                                                                                                                                                                                  Myers EW;
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                                                                                                                                                                                                                                                                                                                                                               Li PWD,
                                                                                                                                                                                                      23-MAR-2001; 2001WO-US009231.
                                                                                                                                                                                                                                                    23-MAR-2000; 2000US-0191637P.
11-JUL-2000; 2000US-00614150.
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45.5%;
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Best Local Similarity 45.5
Best Local Similarity 5.5
                                                                   Drosophila melanogaster
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |:||: ::||
28 RVCRVFIRQVC 38
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                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2001-656860/75
                                                                                                                                                                                                                                                                                                                   (PEKE ) PE CORP NY
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 762 AA;
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                           pharmaceutical
                                                                                                               WO200171042-A2
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                                                                                                                                                            27-SEP-2001
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virus (FIV) nucleic acid sequence or its fragment is a determined founder sequence of a highly diverse viral strain, subtype or group. Also described are: an isolated ancestor protein or its fragment from FIV; an isolated expression construct comprising the operably linked elements consisting of a transcriptional promoter, a nucleic acid encoding an FIV ancestor protein and a transcriptional terminator; a cultured prokaryotic or evaryotic cell transformed or transfected with the expression construct, a composition for inducing an immune response in a mammal comprising a highly diverse FIV ancestor protein or its antigenic fragment; a method of preparing an FIV viral amino acid sequence; a method for inducing an immune response to FIV in a host; a method for making an FIV vaccine; a kit composition to a subject; and a method for instructions for administering the composition to a subject; and a method for distribution with FIV. The ancestral feline immunodeficiency virus (FIV) nucleic acid sequence of an ancestral FIV subtype
                                                 New ancestral feline immunodeficiency virus (FIV) nucleic acid sequence or its fragment that is a determined founder sequence of a highly diverse viral strain, subtype or group, useful in preparing a vaccine against
                                                                                                                                                                              The invention describes a new isolated ancestral feline immunodeficiency
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New ancestral feline immunodeficiency virus (FIV) nucleic acid sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         58.1%; Score 36; DB 9; Length 861; 54.5%; Pred. No. 2.1e+03; ive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ancestral FIV subtype B envelope (env) SEQ ID NO 20.
                                                                                                                                          5; SEQ ID NO 24; 225pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADW38365 standard; protein; 861 AA.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AUCK-) AUCKLAND UNISERVICES LTD.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 147 RNCRILTIAIC 157
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 RLCRIVVIRVC 11
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WPI; 2005-075527/08.
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                  N-PSDB; ADW38368
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                                                                                                                                          Claim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Best Loc
Matches
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virus (FIV) nucleic acid sequence or its fragment is a determined founder sequence of a highly diverse viral strain, subtype or group. Also described are: an isolated ancestor protein or its fragment from FIV, an isolated expression construct comprising the operably linked elements consisting of a transcriptional terminator; a cultured prokaryotic consisting of a transformed or terminator; a cultured prokaryotic or elaryotic cell transformed or transfected with the expression construct; a composition for inducing an immune response in a mammal construct; a method of preparing an FIV uncestor protein or its antigenic fragment; a method for preparing an FIV vaccine; a kit composition comprising an FIV vaccine; a kit composition to a subject; and a method instructions for administering the composition to a subject; and a method instructions for administering the composition to a subject; and a method is of referring the composition to a subject; and a method is of referring the composition to a subject; and a method is or detecting infection with FIV. The ancestral feline immunodeficiency
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or its fragment that is a determined founder sequence of a highly diverse viral strain, subtype or group, useful in preparing a vaccine against PIV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      virus (FIV) mucleic acid sequence is useful in preparing a vaccine against FIV. This is the amino acid sequence of an ancestral FIV subtype
                                                                                                                                      The invention describes a new isolated ancestral feline immunodeficiency
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human, nootropic, immunosuppressant, cytostatic, gene therapy; cancer, peripheral nervous system; neuropathy; central nervous system; CNS; Alzheimer's; Parkinson's disease; Huntington's disease, haemostatic; amyotrophic lateral sclerosis; Shy-Drager Syndrome; chemotactic; chrombolytic; drug screening; arthritis; inflammation;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          58.1%; Score 36; DB 9; Length 861; 54.5%; Pred. No. 2.1e+03; ive 2; Mismatches 3; Indels
                                                                                                  Claim 5; SEQ ID NO 20; 225pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAM41078 standard; protein; 913 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human polypeptide SEQ ID NO 6009.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                19-UTL-2000; 2000US-00623420.
14-SEP-2000; 2000US-00653450.
14-SEP-2000; 2000US-00653450.
19-CCT-2000; 2000US-00693036.
29-NOV-2000; 2000US-00727344.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         21-JAN-2000; 2000US-00488725
25-APR-2000; 2000US-00552317
20-JUN-2000; 2000US-00598042
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   26-DEC-2000; 2000WO-US034263
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99US-00471275
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              B envelope (env) protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     147 RNCRILTIAIC 157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 RECRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 861 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200153312-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         23-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-JUL-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         leukaemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               RESULT 95
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Gaps ;

(HYSE-) HYSEQ INC

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The invention relates to human nucleic acids (AAIS7798-AAI61369) and the encoded polypeptides (AAM8642-AAM4213) with nootropic, immunosuppressant and cytoetatic activity. The polymucleotides are useful in gene therapy. A composition containing a polypeptide or polymucleotide of the invention may be used to treat diseases of the peripheral nervous system, such as peripheral nervous injuries, peripheral nervous system olderan neuropathy and localised neuropathies and central nervous system diseases, such as alzheimer's, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, and Shy-Drager Syndrome. Other uses include the utilisation of the activities such as: Immune system suppression, activin/inhibin activity, chemotextic/chemokinetic activity, haemostatic and thrombolytic activity, cancer diagnosis and therapy, drug screening, assays for receptor activity, arthritis and inflammation, leukaemias and C.N.S disorders. Note: The sequence data for this patent did not form
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Asundi V, Ren F, Zhang J, Wehrman T, Wang Z, Ma Y;
Chen R, Zhao QA, Wang J, Ghosh M, Xue AJ, Weng G, Zhou P;
                 Wang D;
Zhao QA;
                                                                                                                              Novel nucleic acids and polypeptides, useful for treating disorders such
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          antiinflammatory; neuroprotective; antianaemic; cytostatic; vulnerary; inflammatory; haematopoiesis; immunity; neurodegenerative; stem cell; aplastic anaemia; cancer; wound healing; gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
               Ren F, Wa
Zhang J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            58.1%; Score 36; DB 4; Length 913; 55.6%; Pred. No. 2.2e+03; tive 3; Mismatches 1; Indels
               Qian XB,
Yang Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1. 913
/label= Unknown, OTHER
/note= "OTHER = In-frame STOP codon"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human therapeutic contig protein - SEQ ID 2365.
           ndi V, Chen R, Ma Y, C
rman T, Xu C, Xue AJ,
Drmanac RT;
                                                                                                                                                                             Example 2; SEQ ID NO 6009; 10078pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                               as central nervous system injuries.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADS12128 standard; protein; 913 AA
           Liu C, Asundi V,
Wang Z, Wehrman T,
Goodrich R, Drmanac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           30-SEP-2003; 2003WO-US030720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             02-OCT-2002; 2002US-0416186P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Local Similarity 55.6
ses 5; Conservative
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768 CRLVILRWC 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3 CRIVVIRVC 11
                                                                              WPI; 2001-442253/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Key
Misc-difference 1.
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                                                                                            N-PSDB; AAI60234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 913 AA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO2004080148-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tang YT,
Wang D, C
             YT,
J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADS12128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                              Wang J,
Zhou P,
               Tang
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 96
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                                                                                                                                                                    The invention relates to a novel isolated polynucleotide and the encoded polypeptide. The molecules of the invention demonstrate antiniflammatory, neuroprotective, antianaemic, cytostatic and vulnerary activities and may be useful in preparing a composition for diagnosing or treating inflammatory, haematopoietic, immune, neurodegenerative or stem cell disorders, such as aplastic anaemia or cancer, as well as for promoting wound healing. The molecules may also be utilised during gene therapy procedures. The current sequence is that of a human therapeutic contig
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to novel DNA and protein sequences which are associated with carcinomas. The sequences are useful for: (i) for screening of bioactive agent capable of binding to Carcinoma Associated Protein (CAP); (ii) for screening of a bioactive agent capable of modulating the activity of CAP; (iv) for evaluating the effect of a candidate carcinoma fury; (v) for diagnosing carcinoma; (vi) for inhibiting the activity of CAP; (vii) for recating carcinoma; (viii) for neutralizing the effect of CAP; (ix) as a biochip; (x) for diagnosing carcinoma or a propensity to carcinoma; and (xi) for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Recombinant nucleic acid useful for diagnosis and treatment of carcinoma
                                                              New polynucleotide, useful in preparing a composition for diagnosing treating inflammatory, neurodegenerative or stem cell disorders, e.g. aplastic anemia or cancer for promoting wound healing.
                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                      Score 36; DB 8; Length 913;
Pred. No. 2.2e+03;
3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cytostatic; carcinoma; lymphoma; cancer; murine.
                                                                                                                                      Example 2; SEQ ID NO 2365; 718pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 5; SEQ ID NO 57; Opp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ABM85214 standard; protein; 123 AA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mouse protein sequence mCP18249.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          comprises a nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                        58.1%;
55.6%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          28-FEB-2003; 2003WO-US006235.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             01-MAR-2002; 2002US-00087192.
                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 55.00,
1.00 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                     protein of the invention.
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768 CRLVILRWC 776
                                                                                                                                                                                                                                                                                                                                                                                                                                                              3 CRIVVIRVC 11
              WPI; 2004-668857/65.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-328604/31.
                                 N-PSDB; ADS11530
                                                                                                                                                                                                                                                                                                                                                        Sequence 913 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            L8-NOV-2004
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Gaps

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Indels

Pred. No. 7.3e+02; 3: Mismatches 2;

3,

5; Conservative

50.08;

Best Local Similarity

Matches

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The invention relates to novel abjotic stress responsive polymucleotides and polypeptides. Also disclosed are vectors, expression cassettes, host cells, and plants containing such polymucleotides. Also disclosed are methods for using the polymucleotides and polypeptides to alter the responsiveness of a plant to abjotic stress. The invention is useful in agriculture. The nucleic acid is useful for determining whether a test plant has been exposed to an abjotic stress condition. It is also useful for selecting an agent that alters abjotic stress regulated polymucleotide expression in a plant cell, and to identify a homolog or ortholog to an abjotic stress responsive polymucleotide. The nucleic acid molecule and the polypeptide encoded by it are useful in altering the responsiveness of a plant to an abjotic stress, such as cold stress, salt stress, osmotic stress any of their combinations. The present sequence is used in the exemplification of the invention
determining Carcinoma Associated (CA) gene copy number. In addition, the CA genes are useful as DNA vaccines and the CAP are useful as markers of carcinoma including lymphoma. The present sequence is one such CAP. Note: This patent is an equivalent to basic patent US2002182586Al, for which no sequence data was published
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New stress-responsive nucleic acid, useful for altering the responsiveness of a plant, e.g. cereal, to an abiotic stress such as cold stress, salt stress or osmotic stress.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              abiotic stress tolerance; transgenic plant; plant; cereal; agriculture.
                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Katagiri F;
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                                                                                                                                               Length 123;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rice abiotic stress responsive polypeptide SEQ ID NO:7354.
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                                                                                                                                                                                   Indels
                                                                                                                                             Score 35; DB 7; Les
Pred. No. 4.9e+02;
4; Mismatches 2;
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N, Ricke D, Zhu T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 1; SEQ ID NO 7354; 89pp; English
                                                                                                                                                                                                                                                                                                                                                 ABM89108 standard; protein; 190 AA.
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                                                                                                                                           56.5%;
40.0%;
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24-AUG-2001; 2001US-0314662P.
26-SEP-2001; 2001US-0325277P.
21-NOV-2001; 2001US-0332132P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            21-JUN-2002; 2002WO-US019668
                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                            Query Match
Best Local Similarity 40...
A; Conservative
                                                                                                                                                                                                                                                       113 VCRVVCVKAC 122
                                                                                                                                                                                                                      2 LCRIVVIRVC 11
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T, Provart
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-248011/24.
                                                                                                           Sequence 123 AA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2003008540-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Oryza sativa.
                                                                                                                                                                                                                                                                                                                                                                                                                         02-JUN-2005
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                                                                                                                                                                                                                                                                                                                                                                                     ABM89108;
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                                                                                                                                                                                                                                                                                                               RESULT 98
                                                                                                                                                                                                                                                                                                                                ABM89108
888888
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DB 7; Length 190;

56.5%; Score 35;

Query Match

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reaction (PCR) primers, oligomers, and for chromosome and gene mapping, reaction (PCR) primers, oligomers, and for chromosome and gene mapping, and in recombinant production of (II). The polynuclectides are also used in diagnostics as expressed sequence tags for identifying expressed genes. (I) is useful in gene therapy techniques to restore normal activity of (II) or to treat disease states involving (II). (II) is useful for generating antibodies against it, detecting or quantitating a useful for generating antibodies against it, detecting or quantitating a polypeptide in tissue, as molecular weight markers and as a food supplement. (II) and its binding partners are useful in medical imaging of sites expressing (II). (I) and (II) are useful for treating disorders involving aberrant protein expression or biological activity. The colypeptide and polymuclectide sequences have applications in diagnostics, forensics, gene mapping, identification of mutations in the constant of the procession of their traits to assess biodiversity and activity of the polyment of the procession of the polyment of the procession of th
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            and to produce other types of data and products dependent on DNA and amino acid sequences. ABG00010-ABG30377 represent novel human diagnostic amino acid sequences of the invention. Note: The sequence data for this patent did not appear in the forinted as pecification, but was obtained in electronic format directly from WIPO at the wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated polynucleotide and encoded polypeptides, useful in diagnostics, forensics, gene mapping, identification of mutations responsible for genetic disorders or other traits and to assess
                                                                                                                                                                                                                                                                                                                                                                                                                                 Human, chromosome mapping, gene mapping, gene therapy, forensic, food supplement, medical imaging, diagnostic, genetic disorder.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 20; SEQ ID NO 46511; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                            Novel human diagnostic protein #16143
                                                                                                                                                                                                   ABG16152 standard; protein; 208 AA.
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23-AUG-2000; 2000US-00649167.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          30-MAR-2001; 2001WO-US008631.
                                                                                                                                                                                                                                                                                                                    (first entry)
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                                                        103 LCRVQRLRIC 112
2 LCRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Drmanac RT, Liu C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2001-639362/73
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (HYSE-) HYSEQ INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 N-PSDB; AAS80339
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200175067-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Homo sapiens.
                                                                                                                                                                                                                                                                                                                    18-FEB-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               11-OCT-2001.
                                                                                                                                                                                                                                                              ABG16152;
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                                                                                                                                                 RESULT 99
                                                                                                                                                                           ABG16152
                                                        요
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This is the amino acid sequence of the truncated human 312C2 T cell protein from clone_A8. The 312C2 proteins are expressed in thymus cells and are induced on T cells and spleen cells following activation. Engagement of 312C2 stimulates proliferation of T cell clones, antigenspecific proliferation and cytokine production by T-cells, and potentiates T cell expansion or apoptosis. The products can be used in the treatment of conditions associated with abnormal physiology or development, including abnormal proliferation, e.g. cancerous conditions or degenerative conditions. They can be used in the regulation or development of haematopoietic cells, e.g. lymphoid cells which affect immunological responses, e.g. autoimmune disorders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Isolated 312C2 T cell gene - used to develop products for treating, e.g. cancers, auto-immune disorders, transplantation rejection and other T
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human 312C2 T cell protein; thymus cell; spleen cell; T cell; antigen-specific T cell proliferation; cytokine production by T-cell; apoptosis; cancer; haematopoietic cells; lymphoid cell; autoimmune disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                             Truncated human 312C2 protein from clone_A8 amino acid sequence
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Pred. No. 8.7e+02;
1; Mismatches 5; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 61-62; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Zlotnik A;
                                                                                                                                                                                                                                       AAW37840 standard; protein; 228 AA.
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15 RVCSALVPKVCR 26
1 RLCRIVVIRVCR 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1998-159534/14.
N-PSDB; AAV19154.
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07-OCT-1996;
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Samuel Land Break

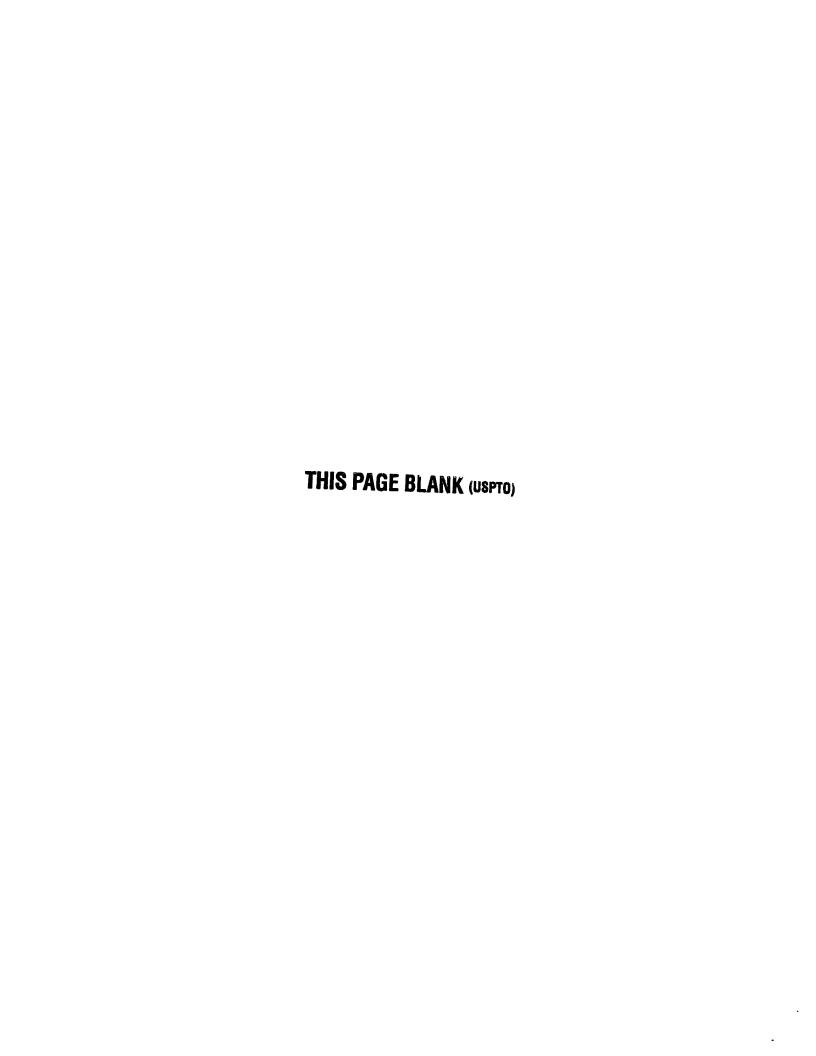
Gaps

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6; Conservative 1 RLCRIVVIRVCR 12 | ||: | || RCCRVHTTRCCR 53 Search completed: February 15, 2006, 11:06:14 Job time : 86 secs

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Page

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5.1.7	Biocceleration Ltd.
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GenCore	(c) 1993
	Copyright

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February 15, 2006, 11:06:26; Search time 38 Seconds (without alignments) 30.384 Million cell updates/sec

US-10-657-851-37 62 1 RLCRIVVIRVCR 12

BLOSUM62 Gapop 10.0 , Gapext 0.5 Scoring table: Sequence:

Title: Perfect score:

Run on:

283416 seqs, 96216763 residues Searched:

283416 Total number of hits satisfying chosen parameters:

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Post-processing: Minimum Match 0% Maximum Match 100% Listing first 100 summaries

PIR 80:* Database

1: pirl: * 2: pir2: * 3: pir3: * 4: pir4: *

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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SUMMARIES	ΩI	S27018	868229	T00497	T15626	872595	G87371	T44181	T43994	T23374	S48967	T21064	C72747	AE2242	A81806	909965	T34647	PS0427	JQ1491	PS0425	S25979	G98075	S55614	AI3176	H84684	T44011	T33205	H81064	P2WMBB	T50247
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	Score	62	52	42	38	36	36	36	36	36	36	35.5	35	35	35	32	34	34	34	34	34	34	34	34	34	34	34	34	34	34
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A; Residues: 1-62 <ROU>
A; Cross-references: UNIPROT: 022173; UNIPARC: UP100000A0BE1; EMBL: AC002391; NID: g2642427; I
A; Experimental source: cultivar Columbia
R; Lin, X.; Raul, S.; Rounaley, S.D.; Shaa, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.; N
M.; Koo, H.; Moffat, K.S.; Cronin, L.A.; Shan, M.; Vanaken, S.E.; Umayam, L.; Tallon, L.;
euss, D.; Nierman, W.C.; White, O.; Elsen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J.
                                                                                                                                                                                           polyadenylate-binding protein At2g23350 [imported] - Arabidopsis thaliana C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 0.1-Peb-1999 #sequence_revision 01-Feb-1999 #text_change 09-Jul-2004
C;Accession: T00497; R84623
R;Rounsley, S.D.; Lin, X.; Ketchum, K.A.; Crosby, M.L.; Brandon, R.C.; Sykes, S.M.; Kaul, submitted to the RMEL Data Library, November 1997
A;Description: Arabidopsis thaliana chromosome II BAC T20D16 genomic sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Cross-references: UNIPARC: UP100000A0BE1; GB: AE002093; NID: 92642429; PIDN: AAB87097.1; GS
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C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Gene: CESP:C25H3.8
A;Introns: 400/2; 464/1; 613/3; 669/3; 682/1; 927/1; 1266/3; 1403/3; 1595/1; 1625/1; 1764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Nature 402, 761-768, 1999
A;Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.
A;Reference number: A84420; MUID:20083487; PMID:10617197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Introns: 100/1; 139/3; 358/3; 384/3; 414/3; 459/3; 515/3; 576/3
C;Superfamily: polyadenylate-binding protein; ribonucleoprotein repeat homology
C;Keywords: nucleus; RNA binding
F;226-292/Domain: ribonucleoprotein repeat homology <RRM3>
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Cipate: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 20-Sep-1999
Cipate: 20-Sep-1999 #sequence_revision 20-Sep-1999 #text_change 20-Sep-1999
Cipacession: T15626
RiJohnson, D.
Submitted to the EMBL Data Library, June 1995
Alpescription: The sequence of C. elegans cosmid C25H3.
Alpescription: Z18379
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54.5%; Pred. No. le+02;
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A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-2102 <JOH>
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A, Status: translated from GB/EMBL/DDBJ
A, Molecule type: DNA
144 RICRIIFLRVCR 155
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Matches 6; Conservative
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Best Local Similarity
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셤
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A; Residues: 1-155 <STO.
A; Cross-references: UNIPROT: P22226; UNIPARC: UPI0000049485; GB: L08834; NID: g162599; PIDN:
A; Experimental source: bone marrow
R; Romeo, D.; Skerlavaj, B.; Bolognesi, M.; Gennaro, R.
A; Biol. Chem. 263, 9573-9575, 1988
A; Title: Structure and bactericidal activity of an antibiotic dodecapeptide purified from A; Reference number: A33799; MUID: 88257074; PMID: 3290210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           bactenecin precursor - bovine

N;Alternate names: antibiotic dodecapeptide

S;Species: Bos primigenius taurus (cattle)

C;Date: 22-Nov-1993 #sequence_revision 23-Mar-1995 #text_change 09-Jul-2004

C;Accession: $27018; A33799

C;Accession: $27018; B3799

A;Storici, P: del Sal, G:; Schneider, C:; Zanetti, M.

FEBS Lett. 314, 187-190, 1992

A;Title: CDNA sequence analysis of an antibiotic dodecapeptide from neutrophils.

A;Reference number: $27018; MUID:93093170; PMID:1459251

A;Accession: $27018
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N;Abrernate names: procyclic dodecapetide homolog
C;Species: Ovis procyclic dodecapetide homolog
C;Date: 15-Feb-1997 #sequence_revision 13-Mar-1997 #text_change 09-Jul-2004
C;Accession: 568229
C;Accession: 568229
A;Title: cDNA sequences of three sheep myeloid cathelicidins.
A;Accession: 568229
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1155 - ABAG>
A;Cross reference mRNA
A;Cross reference mRNA
A;Accession: 568229
A;Cross reference mRNA
A;Accession: A;Accession: 568229
A;Cross reference mRNA
A;Accession: A;Acce
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A,Accession. A3799
A,Molecule type: protein
A,Rosidues: 144-155 AROM.
A,Cross-references: UNIPARC:UPI000003532B
A,Experimental source: neutrophils
C,Superfamily: cathelin; cystatin homology
C,Keywords: antibacterial
F:1-29/Domain: signal sequence #status predicted <SIG>F;30-143/Domain: cystatin homology
C,Keywords: appearatin homology
C,Keywords: propeptide #status predicted <SIG>F;30-143/Domain: propeptide #status predicted <PRO>F;144-155/Product: bactenecin #status experimental <PAMT>
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ALIGNMENTS
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RESULT 2

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Ribominguez, G.; Dambaugh, T.R.; Stamey, F.R.; Dewhurst, S.; Inoue, N.; Pellett, P.E. J. Virtol. 73, 8040-8052, 1999
A.Yitele: Human herpesvirus 6B genome sequence: coding content and comparison with human layerence number: Z22734; MUID:99412318; PMID:10482553
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C;Accession: T43994
R;Isegawa, Y.; Mukai, T.; Nakano, K.; Kagawa, M.; Chen, J.; Mori, Y.; Sunagawa, T.; Kawar
J. Virol. 73, 8053-8063, 1999
A;Title: Comparison of the complete DNA sequences of human herpesvirus 6 variants A and E
A;Reference number: Z22732; MUID:99412319; PMID:10482554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Cross-references: UNIPROT:Q9WT30; UNIPARC:UPI00000ECC92; EMBL:AB021506; NID:g4995977; I
A;Experimental source: strain HST; pop. variant B
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A;Introns: 22/3; 68/3; 91/3; 108/3; 131/3; 154/3; 179/3; 203/3; 236/3; 260/3; 280/3; 302/
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C;Date: 21-Jan-2000 #sequence_revision 21-Jan-2000 #text_change 09-Jul-2004
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C;Species: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T23374
R;Mortimore, B.
Bubmitted to the EMBL Data Library, November 1996
A;Reference number: Z19733
                                                                                                                                     A,Accession: T44181
A,Status: preliminary; translated from GB/EMBL/DDBJ
A,Rotucule type: DNA
A,Residues: 1-276 <DOM>
A,Residues: 1-276 <DOM>
A,Residues: UNIPARC:UPIO0000F46EF; EMBL:AF157706; PIDN:AAD49648.1
A,Experimental source: strain Z29; variant B
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C;Species: human herpesvirus 6
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A;Molecule type: DNA
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A;Molecule type: DNA
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Pred. No. 46;
4; Mismatches
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Pred. No. 46;
4; Mismatches
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36.4%;
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Matches 4; Conservative
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Best Local Similarity
Matches 4; Conserva
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A;Gene: CESP:K06G5.3
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A;Residues: 1-165 <SMI>
A;Cross-references: UNIPROT:Q49758; UNIPARC:UP100000BEE84; EMBL:U00016; NID:g466961; PID
R;Parkhill, J.; Barrell, B.G.; Rajandream, M.A.
submitted to the EMBL Data Library, September 1997
A;Reference number: Z16918
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       C; Accession: G87371
R; Nierman, W.C.; Feldblyum, T.V.; Paulsen, I.T.; Nelson, K.E.; Eisen, J.; Heidelberg, J. Be; Ludw, M.T.; DeBoy, K.T.; DeBoy, K.T.; DeBoy, K.T.; DeBoy, K.T.; DeBoy, M.T.; DeBoy, M.T.; DeBoy, M.T.; DeBoy, M.T.; Maite, O.; Salzberg, S.L.; Shapiro, L.; Venter, J.C.; Fraser, C.M. Proc. Natl. Acad. Sci. U.S.A. 98, 4136-4141, 2001
A; Title: Complete Genome Sequence of Caulobacter crescentus.
A; Reference number: A87249; MUID:21173698; PMID:11259647
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Cross-references: UNIPARC:UPI00000BEE84; EMBL:Z99125; NID:g2398683; PIDN:CAB16145.1;
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                                                                                                                                hypothetical protein B1937_F2_40 - Mycobacterium leprae
C;Species: Mycobacterium leprae
C;Date: 19-Mar-1997 #sequence_revision 25-Apr-1997 #text_change 09-Jul-2004
C;Accession: S72595; T10043
R;Smith, D.R.; Roblison, K.
submitted to the EMBL Data Library, November 1993
A;Reference number: S72580
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A;Variety: strain Z29
C;Date: 21-Jan-2000 #sequence_revision 21-Jan-2000 #text_change 02-Jun-2000
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C;Date: 20-Apr_2001 #sequence_revision 20-Apr-2001 #text_change 09-Jul-2004
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Pred. No. 38;
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Status: preliminary; translated from GB/EMBL/DDBJ; Molecule type: DNA
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  1966 LCRVRIPRLCR 1976
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Matches 7; Conservative
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||CQLGSDRVCR 73
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RCCRVIQARLC 184
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Matches 5; Conserv
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A;Molecule type: DNA
A;Residues: 1-219 <STO>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Accession: T10043
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A;Note: MLCL536.02c
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A,Molecule type: DNA
A,Residues: 1-2761 <W12>
A,Cross-references: UNIPARC:UPI0000078341; EMBL:Z72510; PIDN:CAA96654.1; GSPDB:GN00023; (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A,Cross-references: UNIPROT:Q9YESS; UNIPARC:UPI000005DB8C; DDBJ:AP000059; NID:g5103911; I
A,Experimental source: strain X1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Fixawarabayasi, Y.; Hino, Y.; Horikawa, H.; Yamazaki, S.; Haikawa, Y.; Jin-no, K.; Takahi awa, H.; Takamiya, M.; Masuda, S.; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; Kn DNA Res. 63-101, 1999
A; Title: Complete genome sequence of an aerobic hyper-thermophilic Crenarchaeon, Aeropyn A; Reference number: A72450; MUD:99310339; PMID:10382966
A; Sacession: C7247
A; Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Map position: 5
A;Introns: 498/1; 543/3; 656/3; 904/1; 1018/1; 1148/1; 1245/1; 1433/3; 1616/1; 1661/3; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Iriguchi, Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Yasuda, M.; Tabata, S. DNA Res. 8, 205-213, 2001
A; Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium Anal A; Reference number: AB1807; MUD:21595285; PMID:11759840
A; Sccession: AE242
A; Molecule type: DNA
                     A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-2761 «MIL»
A;Cross-references: UNIPROT:Q19522; UNIPARC:UPI0000078341; EMBL:Z72507; PIDN:CAA96634.1;
A;Experimental source: clone F17C11
R;McMurray, A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C.Species: Nostoc sp. PCC 7120
A.Note: Nostoc sp. strain PCC 7120 is a synonym of Anabaena sp. strain PCC 7120
C.Date: 14-Dec-2001 #sequence_revision 14-Dec-2001 #text_change 09-Jul-2004
C.Accession: AE2242
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C.Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
C.Accession: C72747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 2761;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 218;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        probable endonuclease V APE0506 - Aeropyrum pernix (strain K1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 35.5; DB 2;
Pred. No. 3.5e+02;
1; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 35; DB 2;
Pred. No. 57;
2; Mismatches
                                                                                                                                                                                                                                                                                                 A; Status: preliminary; translated from GB/EMBL/DDBJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Mismatches
                                                                                                                                                                                                submitted to the EMBL Data Library, May 1996 A;Reference number: Z19579 A;Accession: T22550
                                                                                                                                                                                                                                                                                                                                                                                                                    A Experimental source: clone F53B7
C,Genetics:
A,Gene: CESP:F53B7.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  57.3%;
80.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               56.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 55.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 80.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2472 CRIVVIK-CR 2480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 CRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           32 CRVYISRVC 40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 CRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A; Residues: 1-218 < KAW>
      A; Accession: T21064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A; Gene: APE0506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      В
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                                                                                                                                                                                                                                                                                       ethanolaminephosphotransferase (EC 2.7.8.1) - yeast (Saccharomyces cerevisiae)
N;Alternate names: protein YHR123w; sn-1,2-diacylglycerol ethanolamine phosphotransferas
N;Alternate names: protein YHR123w; sn-1,2-diacylglycerol ethanolamine phosphotransferas
C;Species Saccharomyces cerevisiae
C;Date: 02-Dec-1994 #text_change 05-Oct-2004
C;Accession: S48967; S27296; Ā23714; S16700
B;Fulton, L.
Submitted to the EMBL Data Library, June 1994
A;Description: The sequence of S. cerevisiae cosmid 9315.
A;Reference number: S48967
A;Rocession: S48967
A;Rocession: S48967
A;Residues: 1-391 <FUL>
A;Residues: 1-391 <FUL>
A;Residues: 1-391 <FUL>
A;Coss-references: UNIPROT:P22140; UNIPARC:UPI000012A0BD; EMBL:U10398; NID:G551328; PID
B;Hjelmstad, R.H.; Bell, R.M.
Submitted to the EMBL Data Library, April 1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Accession: S27256
A; Molecule type: DNA
A; Molecule type: DNA
A; Residues: 1-391 cHJE2>
A; Cross-references: UNIPARC:UPI000012A0BD; EMBL:M59311
R; Hjelmstad, R.H.; Bell, R.M.
J. Biol. Chem. 266, 5094-5103, 1991
A; Title: sn-1,2-diacylglycerol choline- and ethanolaminephosphotransferases in Saccharom
A; Reference number: A23714; MUID:91161601; PMID:1848238
A; Accession: A23714
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A;Molecule type: DNA
A;Residues: 1-95, V', 97, S', 99-277, FTSVDATKL', 287-391 <HJE>
A;Residues: 1-95, V', 97, S', 99-277, FTSVDATKL', 287-391 <HJE>
A;Cross-references: UNIPARC:UPI0000179595; GB:MS9311
A;Note: the authors translated the codon GTA for residue 26 as Tyr
A;Note: the sequence from Fig. 7 is inconsistent with that from Fig. 2 in having 278-Leu
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C;Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T21064; T22550
                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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Pred. No. 60;
4; Mismatches 1; Indels
                               Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C;Superfamily; choline/ethanolaminephosphotransferase
C;Keywords: transferase; transmembrane protein
E;49-69/Domain: transmembrane #status predicted <TM1>
F;175-195/Domain: transmembrane #status predicted <TM2>
F;216-236/Domain: transmembrane #status predicted <TM3>
F;263-283/Domain: transmembrane #status predicted <TM3>
F;289-309/Domain: transmembrane #status predicted <TM4>
F;319-339/Domain: transmembrane #status predicted <TM5>
F;319-339/Domain: transmembrane #status predicted <TM5>
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                               2;
   Pred. No. 54;
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Cross-references: SGD:S0001165; MIPS: YHR123w
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              R;McMurray, A.
submitted to the EMBL Data Library, May 1996
A;Reference number: 219366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    58.1%;
50.08;
                               5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      327 LCQIVLYKIC 336
                                                                                   2 LCRIVVIRVC 11
                                                                                                                         || |:| ::|
55 LCEIIVSKIC 64
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Best Local Similarity
Matches 5; Conserv
   Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A, Map position: 8R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A; Gene: SGD: EPT1
Best Local
Matches
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g

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A; Molecule type: mRNA
A; Residues: 1-152 <-RAY>
A; Cross-references: UNIPROT: Q41168; UNIPARC: UPI00000AB64B; GB:M63842; GB:M36629; NID:g165
A; Experimental source: seed
C; Superfamily: Alpha amylase inhibitor
F; -6, foomanily: Alpha amylase inhibitor
F; 7-41/Product: napin small chain #status predicted <NSC>
F; 7-41/Product: napin small chain #status predicted <NCC>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Cross-references: UNIPROT:Q8CJN3; UNIPARC:UPI000017ADE8; EMBL:AL031232; PIDN:CAA20281.1
A;Experimental source: strain A3(2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   napin AHI precursor - radish (fragment)
C;Species: Raphanus astivus (radish)
C;Species: Raphanus astivus (radish)
C;Daccies: 30-Sep-1991 #sequence_revision 30-Sep-1991 #text_change 31-Dec-2004
C;Accession: PS0427
R;Raynal, M.; Depigny, D.; Grellet, F.; Delseny, M.
Gene 99, 77-86, 1991
A;File: Characterization and evolution of napin-encoding genes in radish and related crn
A;Reference number: PS0425; MUID:91216448; PMID:2022325
A;Accession: PS0427
                                                                                                                                                                                                                                                                    C;Species: Streptomyces coelicolor
C;Daces 05-Nov-1999 #sequence_revision 05-Nov-1999 #text_change 09-Jul-2004
C;Accession: T34647
R;Oliver, K.; Harris, D.; Parkhill, J.; Barrell, B.G.; Rajandream, M.A.
submitted to the EMBL Data Library, August 1998
A;Reference number: Z21550
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              hypothetical 16.2K protein (5' region of estrogen receptor gene) - human C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 09-Jul-2004
C;Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 09-Jul-2004
C;Accession: JQ1491
R;Piva, R.; Gambari, R.; Zorzato, F.; Kumar, L.; del Senno, L.
Biochem. Biophys. Res. Commun. 183, 996-1002, 1992
A;Title: Analysis of upstream sequences of the human estrogen receptor gene. A;Reference number: JQ1491; MUID:92231908; PMID:1567414
                                                                                                                                                                                                                                           probable integral membrane protein - Streptomyces coelicolor (fragment)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 143;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ouery Match 54.8%; Score 34; DB 2; Length 152; Best Local Similarity 45.5%; Pred. No. 64; Matches 5; Conservative 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-143 <OLI>
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Pred. No. 61;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    54.8%;
66.7%;
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                                                                                      486 RLLRVMAIQVC 496
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                               1 RLCRIVVIRVC 11
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53 RRVILRVCR 61
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    probable two component sensor kinase NMA1803 [imported] - Neisseria meningitidis (strain C,Species: Neisseria meningitidis
C,Species: 05-May-2000 #sequence_revision 05-May-2000 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C,Accession: A81806
R;Parkhill, J.; Achtman, M.; James, K.D.; Bentley, S.D.; Churcher, C.; Klee, S.R.; Morel, Holrody, S.; Jagels, K.; Leather, S.; Moule, S.; Mungall, K.; Quail, M.A.; Rajandream, Nature 404, 502-506, 2000
A;Title: Complete DNA sequence of a serogroup A strain of Neisseria menigitidis 22491.
A;Reference number: A81775; MUID: 20222556; PMID: 10761919
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 disease resistance protein [imported] - Arabidopsis thaliana
C;Species: Azabidopsis thaliana (mouse-ear cress)
C;Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
C;Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
C;Caccession: G96606
R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; Nature 408, 816-820, 2000
A;Authors: Hunter, J.L.; Yr; Liu, X.; Liu, Z.A.; Luros, J.S.; Khaykin, E.; Kim, C.C., Li, J.H.; Li, Y.; Liu, X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.
Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.
A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, A;Reference number: Ascence and analysis of chromosome 1 of the plant Arabidopsis.
A;Reference number: Assistance and analysis of chromosome 1 of the plant Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Cross-references: UNIPROT:Q9JTF0; UNIPARC:UP10000C4C9F; GB:AL162757; GB:AL157959; NID
A;Experimental source: serogroup A, strain 22491
                           A;Cross-references: UNIPROT:Q8YRF6; UNIPARC:UP100000CE7E9; GB:BA000019; PIDN:BAB75191.1;
A;Experimental source: strain PCC 7120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Cross-references: UNIPROT:Q9C7X0; UNIPARC:UP100000A55F0; GB:AE005173; NID:g11024850;
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                                                                                                                                                                             Length 414;
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Pred. No. 1.9e+02;
3; Mismatches 2; Indels
                                                                                                                                                                                                                                        2; Indels
                                                                                                                                                                             2,
                                                                                                                                                                             Score 35; DB 2
Pred. No. 95;
4; Mismatches
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Best Local Similarity 54.5%;
Matches 6; Conservative
                                                                                                                                                                          Query Match 56.5
Best Local Similarity 45.5
Matches 5; Conservative
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353 KLCKIIDGNVCR 364
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Best Local Similarity 50.0
Matches 6; Conservative
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82 RLCRLLWVKPC 92
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A;Molecule type: DNA
A;Residues: 1-505 <PAR>
A;Residues: 1-414 <KUR>
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                                                                                      C;Genetics:
A;Gene: alr3492
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A,Gene: NMA1803
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C;Superfamily: ribosomal protein L5/L11
C;Keywords: mitochondrion; protein biosynthesis; ribosome
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                                                                                                                                      Best Local Similarity 62.5
Matches 5; Conservative
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7 RSCRLTKVKIC 17
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84 RLCYIIELKTC
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A;Molecule type: DNA
A;Residues: 1-209 <KUR>
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                                                                                                          Query Match
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A;Status: translation not shown
A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-153 <PIV>
A;Cross-references: UNIPROT:Q00849; UNIPARC:UPI000006F875; EMBL:X63118; NID:g35159; PIDN
C;Superfamily: human hypothetical 16.2K protein (5' region of estrogen receptor gene)
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(5)pate: 0.7-May-1993 #sequence_revision 0.7-May-1993 #text_change 09-Jul-2004
(5)Accession: 825579; 841145
(6)Accession: 825579; 841145
(7)Accession: 82579; 841145
(8)Oda, K.; Yamato, K.; Ohta, E.; Nakamura, Y.; Takemura, M.; Nozato, N.; Akashi, K.; Kan A; Mol. Biol. 223, 1-7, 1992
(7)Aritle: Gene organization deduced from the complete sequence of liverwort Marchantia poly A; Reference number: 825979
(8)A; Accession: 825979
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A; Cross-references: UNIPROT: P26860; UNIPARC: UPI00001342B9; EMBL: M68929; NID: 9786182; PID
A; Cross-references: UNIPROT: P26860; UNIPARC: UPI00001342B9; EMBL: M68929; NID: 9786182; PID
A; Note: the nucleotide sequence was submitted to the EMBL Data Library, Rebruary 1992
B; Takewurar, M.; Odda, K.; Yamato, K.; Ohta, E.; Nakamura, Y.; Nozato, N.; Akashi, K.; Ohy
Nucleic Acids Res. 20, 3199-3205, 1992
A; Title: Gene clusters for ribosomal proteins in the mitochondrial genome of a liverwort
A; Reference number: S41132; MUID: 92319654; PMID: 1620617
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          A;Accession: PS0425
A;Molecule type: mRNA
A;Residues: 1-174 <RAYS
A;Cross-references: UNIPROT:Q41169; UNIPARC:UPI00000A4077; GB:M63843; GB:M36630; NID:g16
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A;Cross-references: UNIPARC:UP100001342B9; EMBL:M68929; NID:g786182; PIDN:AAC09419.1; PI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 napin BA3 precursor - radish (fragment)
C;Species: Raphanus sativus (radish)
C;Species: Raphanus sativus (radish)
C;Date: 30-Sep-1991 #sequence_revision 30-Sep-1991 #text_change 31-Dec-2004
C;Accession: PSG425
R;Raynal, M.; Depigny, D.; Grellet, F.; Delseny, M.
Gene 99, 77-86, 1991
A;Title: Characterization and evolution of napin-encoding genes in radish and related
A;Reference number: PSG425; MUID:91216448; PMID:2022325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A, Experimental source: seed
C, Superfamily: Alpha amylase inhibitor
C, Superfamily: Alpha amylase inhibitor
C, Reywords: storage protein
F;1-28/Domain: signal sequence and propeptide (fragment) #status predicted <PRO>
F;29-63/Product: napin small chain #status predicted <NLC>
F;83-168/Product: napin large chain #status predicted <NLC>
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                                                                                                                                                                                                    54.8%; Score 34; DB 2; Length 153; 50.0%; Pred. No. 65; tive 2; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          54.8%; Score 34; DB 2; Length 174; 45.5%; Pred. No. 72; tive 3; Mismatches 3; Indels
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A;Status: nucleic acid sequence not shown
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Best Local Similarity 45.5
Matches 5; Conservative
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                                                                                                                                                                                                    Query Match
Best Local Similarity
Matches 5; Conserv
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A;Gene: rpl5
A;Genome: mitochondrion
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A;Cross-references: UNIPROT:Q66623; UNIPARC:UPI00000F9D62; GB:U20824; NID:g695172; PIDN:; A;Note: the nucleotide sequence was submitted to the EMBL Data Library, February 1995 C;Superfamily: varicella-zoster virus gene 35 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Cispecies: Streptococcus pneumoniae
Cispecies: Streptococcus pneumoniae
Cibate: 22-Oct-2001 #sequence_revision 22-Oct-2001 #text_change 09-Jul-2004
Cibate: 22-Oct-2001 #sequence_revision 22-Oct-2001 #text_change 09-Jul-2004
Cibate: Cibate
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R;Telford, E.A.R.; Watson, M.S.; Aird, H.C.; Perry, J.; Davison, A.J.
J. Moll. Biol. 249, 520-528, 1995
A;Title: The DNA sequence of equine herpesvirus 2.
A;Reference number: S55594; MUID:95302501; PMID:7783207
A;Status: preliminary; nucleic acid sequence not shown; translation not shown A;Molecule type: DNA
A;Residues: 1-237 <TEL>
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C;Species: equine herpesvirus 2
C;Date: 27-Oct-1995 #sequence_revision 03-Nov-1995 #text_change 09-Jul-2004
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C;Superfamily: phosphoribosylanthranilate isomerase; trpF homology
C;Keywords: intramolecular oxidoreductase; isomerase
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54.8%; Score 34; DB 2; Length 188; 62.5%; Pred. No. 76;
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Pred. No. 83;
4; Mismatches
                                                                                                                                            3; Mismatches
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A;Molecule type: DNA
A;Residues: 1-301 <ISES.
A;Cross-references: UNIPROT: P52542; UNIPARC: UPI00000008F4; EMBL: AB021506; NID: 94995977; I
A;Cross-references: UNIPROT: P52542; UNIPARC: UPI00000008F4; EMBL: AB021506; NID: 94995977; I
A;Experimental source: strain HST; pop. variant B
R;Dominguez, G.; Dambaugh, T.R.; Stamey, F.R.; Dewhurst, S.; Inoue, N.; Pellett, P.E.
J. Virol. 73, 8040-8052, 1999
A;Title: Human herpesvirus 6B genome sequence: coding content and comparison with human l
A;Reference number: 222734; MUID: 99412318; PMID: 10482553
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A;Cross-references: UNIPARC:UPI000017A1B8; EMBL:AF067942; PIDN:AAC17689.1; GSPDB:GN00023;
A;Experimental source: strain Bristol N2; clone ZK6
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Cispecies: Neisseria meningitidis
Cispecies: Neisseria meningitidis
Cispecies: Neisseria meningitidis
Cispecies: Neisseria meningitidis
Rizettelin, H.; Saunders, N.J.; Heidelberg, J.; Jeffries, A.C.; Nelson, K.E.; Eisen, J.A. Hickey, E.K.; Haft, D.H.; Salzberg, S.L.; White, O.; Fleischmann, R.D.; Dougherty, B.A.; Ti, H.; Qin, H.; Vamathevan, J.; Gill, J.; Scarlato, V.; Massignani, V.; Pizza, M. A.; Dichice: 287, 1809-1815, 2000
A, Muthors: Grandi, G.; Sun, L.; Smith, H.O.; Fraser, C.M.; Moxon, E.R.; Rappuoli, R.; Ver A, Title: Complete genome sequence of Neisseria meningitidis serogroup B strain MC58.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                hypothetical protein ZK6.1 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 05-Oct-2004
C;Accession: T33205
                                                                                                                                                                                                                                                                                     A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-301 <DOM>
A;Cross-references: UNIPARC:UP100000008F4; EMBL:AF157706; PIDN:AAB06349.1
A;Experimental source: strain Z29; variant B
C;Genetics:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             54.8%; Score 34; DB 2; I
41.7%; Pred. No. 1.1e+02;
live 4; Mismatches 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Submitted to the EMBL Data Library, May 1998
A; Description: The sequence of C. elegans cosmid ZK6.
A; Reference number: 221301
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 34; DB 2; I
Pred. No. 1.1e+02;
0; Mismatches 3;
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A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
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Best Local Similarity 41.7
Matches 5; Conservative
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Best Local Similarity 70.0
Matches 7; Conservative
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A;Map position: 5
A;Introns: 72/1; 107/2; 224/1
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A, Status: preliminary
A, Molecule type: DNA
A, Residues: 1-505 <TET>
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transcription regulator, AraC family attO [imported] - Agrobacterium tumefaciens (strain C;Species: Agrobacterium tumefaciens
C;Species: Agrobacterium tumefaciens
C;Date: 11-Jan-2002 #sequence_revision 11-Jan-2002 #text_change 09-Jul-2004
C;Accession: A11176
R;Wood, D.W.; Setubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Y.; Woo, I Radge, G.; Gillet, W.; Grant, C.; Guenthner, D.; Kutyavin, T.; Levy, R.; Li, M.; McClell Karp, P.; Romero, P.; Zhang, S.
Science 294, 2317-2323, 2001
A;Authors: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; Krespan, W.; Perry, M.; Gordon-Kamm, ster, E.W.
A;Title: The Genome of the Natural Genetic Engineer Agrobacterium tumefaciens C58.
A;Reference number: AB2577; MUID:21608550; PMID:11743193
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C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004
C;Accession: H84684
R;Lin, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.;
Rilin, X.; Kaul, S.; Rounsley, S.D.; Shea, T.P.; Benito, M.I.; Town, C.D.; Fujii, C.Y.;
euss, D.; Nierman, W.C.; White, O.; Eisen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J. Nature 402, 761-768, 1999
A;Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.
A;Accession: H84684
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A;Cross-references: UNIPROT:Q98KM6; UNIPARC:UP100000AA595; GB:AE002093; NID:g4432833; PI
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C;Species: human herpesvirus 6
C;Date: 2J-Jan-2000 #sequence_revision 2l-Jan-2000 #text_change 09-Jul-2004
C;Accession: T44011; T44198
R;Isegawa, Y.; Mukai, T.; Nakano, K.; Kagawa, M.; Chen, J.; Mori, Y.; Sunagawa, T.; Kawa J, Virol. 73, 8035-8063, 1999
A;Title: Comparison of the complete DNA sequences of human herpesvirus 6 variants A and A;Reference number: Z22732; MUID:99412319; PMID:10482554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Cross-references: UNIPROT:Q8UKG8; UNIPARC:UP100000D14FC; GB:AE008687; PIDN:AAL45831.1;
A;Experimental source: strain C58 (Dupont)
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Pred. No. 97;
2; Mismatches
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50.0%;
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Best Local Similarity 50...
6; Conservative
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123 RLCEIIVVLAIR 134
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Best Local Similarity 45.5
Matches 5; Conservative
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4 KLCFIVMLSIC 14
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A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-254 <KUR>
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A;Genome: plasmid
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A;Map position: 2
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us-10-657-851-37.rpr

Genetics

RESULT 28

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hypothetical protein [imported] - Arabidopsis thaliana (5gecies: Arabidopsis thaliana (mouse-ear cress)
C;Bace: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
C;Accession: G86225
C;Accession: G86225
C;Accession: G86225
Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; ansen, N.F.; Hughes, B.; Huizar, L.
Nature 408, 816-820, 2000
A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.; C.A.; Li, J.H.; Li, Y.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Rowley, D.; Sakano, H.
A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, I ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.
A;Authors: A;Accession: G86225
A;Accession: G86225
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C;Species: Yersinia enterocolitica
C;Species: Yersinia enterocolitica
C;Date: 13-Jan-1995 #sequence_revision 06-Jun-1997 #text_change 09-Jul-2004
C;Accession: S35292; S28575
Mol. Microbiol. 9, 309-321, 1993
A;Title: Genetic organization and sequence of the rfb gene cluster of Yersinia enterocolippolysacchenide transport systems.
A;Reference number: S35292; MUID:94018626; PMID:7692217
A;Accession: S35292
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Cross-references: UNIPROT:080479; UNIPARC:UPI00000A3848; GB:AE005172; NID:g3249095; PII C;Genetics:
A;Map position: 1
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A;Experimental source: serovar 3; biovar 1
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Matches 7; Conservative
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Matches 5; Conservative
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269 RLCRMLVL-VC 278
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A;Molecule type: DNA
A;Residues: 1-191 <GLA>
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A;Genetic code: SGC3
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B82903
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                A,Cross-references: UNIPROT:Q9JYF5; UNIPARC:UP100000C4753; GB:AE002511; GB:AE002098; NID
A,Experimental source: serogroup B, strain MC58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; Molecule type: genomic RNA
A; Residues: 1-810 <ROM>
A; Cross-references: UNIPROT:P27462; UNIPARC:UPI0000137FE4; GB:M64713; NID:g210666; PIDN:
C; Comment: This protein is a trans-acting factor in viral RNA replication.
C; Genetics: A; Map position: segment C; Sparting factor in viral RNA replication.
C; Superfamily: alfalfa mosaic virus 90K protein
C; Superfamily: alfalfa mosaic virus 90K protein
C; Keywords: nonstructural protein; RNA replication
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A;Cross-references: UNIPROT: Q9P7T8; UNIPARC: UPI00006B0E1; EMBL: AL138666; PIDN: CAB71840.
A;Experimental source: strain 972h(-); cosmid c694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          R;Romero, J.; Dzianott, A.M.; Bujarski, J.J.
Virology 187, 671-681, 1992
A;Rotles The nucleotide sequence and genome organization of the RNA2 and RNA3 segments A;Reference number: A42453; MUID:92188542; PMID:1546462
A;Accession: A42453
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C.Date: 09-Jun-2000 #sequence_revision 09-Jun-2000 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C;Species: broad bean mottle virus
C;Date: 31-Mar-1993 #sequence_revision 31-Mar-1993 #text_change 09-Jul-2004
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R;Aert, R.; Volckaert, G.; McDougall, R.C.; Rajandream, M.A.; Barrell, B.G.
submitted to the EMBL Data Library, February 2000
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                                                                                                                                                                         Length 505;
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Pred. No. 2.4e+02;
4; Mismatches 3; Indels
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50.0%; Pred. No. 4.4e+02;
iive 3; Mismatches 2; Indels
                                                                                                                                                                         Score 34; DB 2; Length 505
Pred. No. 1.7e+02;
4; Mismatches 3; Indels
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A;Accession: T50247
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2a protein - broad bean mottle virus
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Best Local Similarity 36.4%;
Matches 4; Conservative
                                                                                                                                                                         Query Match
Best Local Similarity 41.7%;
Matches 5; Conservative
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353 KLCKIIDGNICR 364
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667 LCRLTALKYCK 677
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264 LCKILILIC 273
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Best Local Similarity
Matches 5; Conserv
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A;Gene: SPDB:SPAC694.02
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                                                                                                                A;Gene: NMB1606
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Matches

RESULT 29

RESULT 30

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G86225

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hypothetical protein all5016 [imported] - Nostoc sp. (strain PCC 7120)
C;Species: Nostoc sp. PCC 7120
A;Note: Nostoc sp. strain PCC 7120
C;Species: 14-Dec-2001 #sequence_revision 14-Dec-2001 #text_change 09-Jul-2004
C;Accession: AH2432
Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Yasuda, M.; Iriguchi, Nakazaki, N.; Shimpo, S.; Sugimoto, M.; Takazawa, M.; Yamada, M.; Yasuda, M.; Tabata, S. DNA Res. 8, 205-213, 2001
A;Title: Complete Genomic Sequence of the Filamentous Nitrogen-fixing Cyanobacterium Anak A;Reference number: AB1807; MUID:21595285; PMID:11759840
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A;Experimental source: strain AR39, HL cells
                                GB:AE000989; GB:AE000782; NID:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A;Cross-references: UNIPROT:Q8YMB8; UNIPARC:UPI00000CED25; GB:BA000019; PIDN:BAB76715.1; A;Experimental source: strain PCC 7120
C;Genetics:
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A;Title: Genome sequences of Chlamydia trachomatis MoPn and Chlamydia pneumoniae AR39.
A;Reference number: A81500; MUID:20150255; PMID:10684935
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A;Residues: 1-254 «KLE»
A;Crosa-references: UNIPROT:028632; UNIPARC:UDI000056C43; GB:AE
C;Superfamily: Nathoate synthase; enoyl-CoA hydratase homology
F;24-175/Domain: enoyl-CoA hydratase homology «ECH»
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                                                                                                                                                                      Length 254;
                                                                                                                                                                      Score 33; DB 1; I
Pred. No. 1.5e+02;
1; Mismatches 1;
                                                                                                                                                                          53.2%;
77.8%;
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Best Local Similarity 71.4%;
Matches 5; Conservative
                                                                                                                                                                   Query Match
Best Local Similarity 77.8°
Matches 7; Conservative
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45 RLVRVVVIR 53
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263 CRVVVVR 269
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A;Molecule type: DNA
A;Residues: 1-279 <REA>
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A;Residues: 1-273 <KUR>
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R. Kunst, F. Ogaswara, N.; Moszer, I.; Albertini, A.M.; Alloni, G.; Azevedo, V.; Berter
C.; Broun, S.; Bruschi, C.V.; Caldwell, B.; Capuano, V.; Carter, N.M.; Chc
A.; Ehrlich, S.D.; Emmerson, P.T.; Entian, K.D.; Errington, J.; Fabret, C.; Ferrari, E.
Nature 390, 249-256, 1997
A; Ehrlich, S.D.; Emmerson, P.T.; Entian, K.D.; Errington, J.; Febret, C.; Ferrari, E.
Nature 390, 249-256, 1997
A; Atthors: Foulder, D.; Fritz, C.; Fujita, M.; Fujita, Y.; Fuma, S.; Galizzi, A.; Galler
iech, J.; Harwood, C.R.; Henaut, A.; Hilbert, H.; Holsappel, S.; Hosono, S.; Hullo, M.F.
Koetter, P.; Koningstein, G.; Krogh, S.; Kumano, M.; Kurita, K.; Lapidus, A.; Lardinois,
A; Authors: Lauber, J.; Lazarevic, V.; Lee, S.M.; Levine, A.; Liu, H.; Masuda, S.; Maueel
Y. M.; Ogawa, K.; Ogiwara, A.; Oddega, B.; Park, S.H.; Parro, V.; Pohl, T.M.; Portetelle
Rieger, M.; Rivolta, C.; Rocha, B.; Roche, B.; Rose, M.; Sadaie, Y.; Scanlon,
A; Authors: Schleich, S.; Schroeter, R.; Scoffene, F.; Sekiguchi, J.; Sekowska, A.; Scror
akeuchi, M.; Tamakoshi, A.; Tanaka, T.; Terpstra, P.; Tognoni, A.; Tosato, V.; Uchiyama,
T.; Winters, P.; Wipat, A.; Yamamoto, H.; Yamane, K.; Yasumoto, K.; Yata, K.; Yoshida, R.
A;Authors: Yoshikawa, H.F.; Zumstein, E.; Yoshikawa, H.; Danchin, A.
A;Reference number: A65980; MUD:98044033; PMID:9384377
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C;Species: Archaeoglobus fulgidus
C;Species: Archaeoglobus fulgidus
C;Species: Archaeoglobus fulgidus
C;Date: 10-Sep-1999 #sequence_revision 10-Sep-1999 #text_change 16-Aug-2004
C;Accession: H66454
R;Klenk, H.P.; Clayton, R.A.; Tomb, J.F.; White, O.; Nelson, K.E.; Ketchum, K.A.; Dodson, G.B.; Relondan, R.D.; Quackenbush, J.; Lee, N.H.; Sutton, G.G.; Gill, S.; Kirkness, B.F.
Glodek, A.; Zhou, L.; Overbeek, R.; Gocayne, J.D.; Weidman, J.F.; McDonald, L.
Nature 390, 364-370, 1997
A;Authors: Utterback, T.; Cotton, M.D.; Spriggs, T.; Artiach, P.; Kaine, B.P.; Sykes, S.
Smith, H.O.; Woese, C.R.; Venter, J.C.
A;Title: The complete genome sequence of the hyperthermophilic, sulfate-reducing archaec
                                                                                              A;Cross-references: UNIPROT:Q56898; UNIPARC:UPI00000B2206; EMBL:218920; NID:g48582; PIDN A;Experimental source: serotype 0:3
A;Note: the nucleotide sequence was submitted to the EMBL Data Library, December 1992
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A;Experimental source: strain 168
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C;Date: 05-Dec-1997 #sequence_revision 05-Dec-1997 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                Gaps
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A;Status: nucleic acid sequence not shown; translation not shown
                                                                                                                                                                                                                                       Query Match 53.2%; Score 33; DB 2; Length 200; Best Local Similarity 44.4%; Pred. No. 1.2e+02; Matches 4; Conservative 3; Mismatches 2; Indels
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Pred. No. 1.3e+02;
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62.5%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                      CRVIVECIC 117
                                                                                                                                                                                                                                                                                                                                                                                     3 CRIVVIRVC 11
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Best Local Similarity
Matches 5; Conserv
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                                                                    A; Residues: 1-200 <ZHA>
                                    A, Molecule type: DNA
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A,Gene: ypjG
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A,Residues: 1-346 «KUR»
A,Cross-references: UNIPARC:UP10000D2428; GB:AE008689; PIDN:AAL44872.1; PID:g17742520; C
A,Experimental source: strain C58 (Dupont)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                E,Wood, D.W.; Setubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Y.; Woo, L. erage, G.; Gillet, W.; Grant, C.; Guenthner, D.; Kutyavin, T.; Levy, R.; Li, M.; McClella; Karp, P.; Romero, P.; Zhang, S. Science 294, 2317-2323, 2001
A,Authore: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; Krespan, W.; Perry, M.; Gordon-Kamm, F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A;Molecule type: DNA
A;Residues: 1-346 <KUR>
A;Cross-references: UNIPARC:UPI0000D2428; GB:AE007870; PIDN:AAK89358.1; PID:g15159206; (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        conserved hypothetical protein Atu4071 [imported] - Agrobacterium tumefaciens (strain C58 C,Species: Agrobacterium tumefaciens C,Species: 11-Jan-2002 #sequence_revision 11-Jan-2002 #text_change 06-Jan-2003 C;Accession: AB3057
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ster, E.W.
A;Title: The Genome of the Natural Genetic Engineer Agrobacterium tumefaciens CS8.
A;Reference number: AB2577; MUID:21608550; PMID:11743193
A;Accession: AB3057
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A; Experimental source: cultivar Columbia; BAC clone F18N11 C;Genetics:
A;Map position: 3
A;Introns: 50/2; 102/3; 195/1; 220/2
A;Note: F18N11.110
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A,Map position: linear chromosome
C,Superfamily: uncharacterized conserved protein
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A;Map position: linear chromosome
C;Superfamily: uncharacterized conserved protein
                                                                                                                                                                                                                                                                                                                                                                                                  243 LCTPRIVVULVC 254
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A; Status: preliminary
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A;Molecule type: DNA
A;Residues: 1-279 <STO>
A;Cross-references: UNIPROT:Q92835; UNIPARC:UPI00000470F3; GB:BA000008; NID:g8978887; PI
A;Experimental source: strain J138
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A;Molecule type: DNA
A;Molecule type: DNA
A;Residues: 1-279 cARN>
A;Kesidues: 1-279 cARN>
A;Cross-references: UNIPROT:Q92835; UNIPARC:UPI00000470F3; GB:AE001636; GB:AE001363; NID
A;Experimental source: strain CWL029
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C;Date: 23-Apr-1999 #sequence_revision 23-Apr-1999 #text_change 09-Jul-2004
C;Accession: C72070
R;Kalman, S.; Mitchell, W.; Marathe, R.; Lammel, C.; Fan, J.; Olinger, L.; Grimwood, J.;
Nature Genet. 21, 385-389, 1999
A;Title: Comparative genomes of Clamydia pneumoniae and C. trachomatis.
A;Reference number: A72000; MUID:99206606; PMID:10192388
                                                                                                                  C; Species: Chlamydophila pneumoniae, Chlamydia pneumoniae (strain J138)
C; Species: Chlamydophila pneumoniae, Chlamydia pneumoniae
C; Date: 02-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
C; Accession: A86555
R; Shirai, M.; Hirakawa, H.; Kimoto, M.; Tabuchi, M.; Kishi, F.; Ouchi, K.; Shiba, T.;
Nucleic Acids Res. 28, 2311-2314, 2000
A; Title: Comparison of whole genome sequences of chlamydia pneumoniae J138.
A; Reference number: A86491; MUD: 20330349; PMID: 10871362
A; Accession: A86555
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A;Reference number: 224467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypothetical protein CP0236 [imported] - Chlamydophila pneumoniae (strain CWL029)
                                                                                                              protein CPj0517 [imported] - Chlamydophila pneumoniae (strain J138)
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C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 20-Apr-2000 #sequence_revision 20-Apr-2000 #text_change 09-Jul-2004
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A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-291 <JOR>
A;Cross-references: UNIPROT:Q9M3E3; UNIPARC:UPI00000A2BCD; EMBL:AL132953
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C;Superfamily: Chlamydia pneumoniae hypothetical protein CP0236
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Pred. No. 1.6e+02;
3; Mismatches 2; Indels
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Matches 5; Conservative
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43 LCALLIILVC 52
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C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 11-Jun-1999 #sequence_revision 11-Jun-1999 #text_change 09-Jul-2004
C;Accession: T08539
R;Bevan, M.; Zimmermann, W.; Grueneisen, A.; Wambutt, R.; Bancroft, I.; Mewes, H.W.; Maye submitted to the Protein Sequence Database, May 1999
A;Reference number: Z16442
A;Accession: T08539
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C;Species: Xenopus laevis (African clawed frog)
C;Date: 19-0ct-1995 #sequence_revision 19-0an-1996 #text_change 16-Jul-1999
C;Accession: A56182
R;Mathieu, M.; Kiefer, P.; Mason, I.; Dickson, C.
J. Balol. Cham. 270, 6779-6779, 1997
A;Title: Fibroblast growth factor (FGP) 3 from Xenopus laevis (XFGF3) binds with high aff A;Reference number: A56182; MUID:95204476; PMID:7896824
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                  fibroblast growth factor receptor 2 isoform IIIc - African clawed frog (fragment)
C;Species: Xenopus laevis (African clawed frog)
C;Species: Xenopus laevis (African clawed frog)
C;Accession: B56182
R;Mathieu, M.; Kiefer, P.; Mason, I.; Dickson, C.
J. Biol. (Chem. 270, 6779-6787, 1995
A;Fitle: Fibroblast growth factor (FGF) 3 from Xenopus laevis (XFGF3) binds with high aff
                                                                                                                                                                                                                                                                                                                                                                                                                    C; Superfamily: basic fibroblast growth factor receptor 1; immunoglobulin homology; protei
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A;Cross-references: UNIPROT:Q9SZQ1; UNIPARC:UPI0000AACFA; EMBL:AL050352; GSPDB:GN00062;
A;Experimental source: cultivar Columbia; BAC clone F27B13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           fibroblast growth factor receptor 2 isoform IIIb - African clawed frog (fragment)
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A;Status: preliminary; not compared with conceptual translation A;Nolecule type: mRNA
A;Nolecule type: mRNA
A;Residues: 1-480 <MAIR>
A;Cross-references: UNIPARC:UP100000FBF64
                                                                                                                                                                                                                                                               A; Accession: B56182
A; Status: preliminary; not compared with conceptual translation
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 33; DB 2; 1
Pred. No. 2.4e+02;
1; Mismatches 3;
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Pred. No. 2.4e+02;
1; Mismatches 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                C;Keywords: growth factor receptor F;183-244/Domain: immunoglobulin homology <IMM>
                                                                                                                                                                                                                                                                                                                                                                                  A; Cross-references: UNIPARC: UPI00000FD731
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        53.2%;
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Best Local Similarity 60.0.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 CRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                             A; Molecule type: mRNA
A; Residues: 1-480 < MAT>
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A;Gene: ATSP:F27B13.20
A;Map position: 4
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            T08539
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         retinoid-related orphan receptor RZR-alpha - human
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Date: 11-Aug-1995 #sequence_revision 11-Aug-1995 #text_change 31-Dec-2004
C;Accession: A56656; I52276
R;Carlberg, C.; van Huijsduijnen, R.H.; Staple, J.K.; DeLamarter, J.F.; Becker-Andre, M.Mol. Endocrinol. 8, 757-770, 1994
A;Title: RZRS, a new family of retinoid-related orphan receptors that function as both m A;Reference number: A56856; MUID:95021307; PMID:7935491
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A,Molecule type: DNA
A,Residues: 1-349 <DUZ>
A,Cross-references: UNIPROT:017527; UNIPARC:UPI000017BC13; EMBL:AF014940; PIDN:AAB63936.
A,Experimental source: strain Bristol N2; clone W02D7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Molecule type: mRNA
A; Residues: 1-468 < CAR>
A; Residues: 1-468 < CAR>
A; Cross-references: UNIPARC: UPI000016AFE2; GB:L14611; NID:g348240; PIDN:AAA02963.1; PID:
A; Note: authors translated the codon ATT for residue 443 as Met
R; Becker-Andre, M.; Andre, B.; DeLamarter, J.F.
Biochem. Biophys. Res. Commun. 194, 1371-1379, 1993
A; Title: Identification of nuclear receptor mRNAs by RT-PCR amplification of conserved 2
A; Reference number: I52276; MUID:93356815; PMID:7916608
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C;Keywords: DNA binding; transcription factor; zinc finger
F;16-376/Domain: erbA transforming protein homology <ERBA>
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                                                                                                                                                                                                 hypothetical protein W02D7.6 - Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Species: Caenorhabditis elegans C;Accession: T2-9943 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004 C;Accession: T29843 R;Du, Z.; Le, T.T. submitted to the RMBL Data Library, July 1997 A;Description: The sequence of C. elegans cosmid W02D7. A;Reference number: Z20697
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Best Local Similarity 66.7%; Pred. No. 1.9e+02;
Matches 6; Conservative 2; Mismatches 1; Indels
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75.0%; Pred. No. 2.4e+02;
ive 1; Mismatches 1; Indels
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A,Molecule type: mRNA
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Best Local Similarity 75.0
Matches 6; Conservative
1 RLCRIVVIRVCR 12
                                                    27 ŘĽČŘAVAAŘLDŘ 38
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308 UVFIRVCR 315
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"hypothetical fusion protein [imported] - Sinorhizobium meliloti (strain 1021) magaplasmic C; Species: Sinorhizobium meliloti (5) Species: Sinorhizobium meliloti (5) Species: Sinorhizobium meliloti (5) Species: Sinorhizobium meliloti (5) Species: Aug-2001 #sequence_revision 24-Aug-2001 #text_change 31-Dec-2004 (5) Accession: H95852 (5) Accession: H95852 (5) Wong, K.; Buhrmester, J.; Chain, P.; Vorholter, F.J.; Hernanc Proc. Natl. Acad. Sci. U.S.A. 98, 9889-9894, 2001 (6) A; Reference number: A95842; MUID:21396508; PMID:11481431 (from the N2-fixing endos A; Accession: H95852
                                                                                                                                                                   C;Accession: S37085
R;Vugrek, O.; Moepps, B.; Schraudolf, H.
submitted to the EMBL Data Library, September 1993
A;Description: Molecular identification of a cDNA encoding the poly(A)-binding protein ir A;Reference number: S37085
A;Accession: S37085
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C,Date: 09-May-1998 #sequence_revision 08-May-1998 #text_change 09-Jul-2004
C;Accession: B70396
R;Deckert, G.; Warren, P.V.; Gaasterland, T.; Young, W.G.; Lenox, A.L.; Graham, D.E.; Ove
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Residues: 1-646 <AQF>
A;Cross-references: UNIPROT:067197; UNIPARC:UPI0000056527; GB:AE000724; NID:92983585; PII
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A,Accession: B70396
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                                                            polyadenylate-binding protein - fern (Anemia phyllitidis)
C;Species: Anemia phyllitidis
C;Date: 06-Jan-1995 #sequence_revision 06-Jan-1995 #text_change 09-Jul-2004
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Pred. No. 3e+02;
2; Mismatches 1; Indels
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A, Gene: hksP1
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Best Local Similarity 55.6
Matches 5; Conservative
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Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                               A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-638 <VUG>
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51 QVVSIRVCR
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A;Molecule type: DNA
A;Residues: 1-658 <KUR>
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H95852
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C;Species: Vicia faba (fava bean)
C;Date: 16-Unl-1999 #sequence_revision 16-Jul-1999 #text_change 09-Jul-2004
C;Date: 112099 #sequence_revision 16-Jul-1999 #text_change 09-Jul-2004
C;Accession: T12094
R;Weber, H.; Borisjuk, L.; Heim, U.; Buchner, P.; Wobus, U.
Plant Cell 7, 1835-1846, 1995
A;Title: Seed coat-associated invertases of Fava bean control both unloading and storage A;Title: Seed coat-associated invertases of Fava bean control both unloading and storage A;Accession: T12094
A;Accession: T12094
A;Accession: T12094
A;Accession: T12094
A;Readules: preliminary; translated from GB/EMBL/DDBJ
A;Readules: 1-575 < WEB>
A;Cross-references: UNIPROT:Q43855; UNIPARC:UPI00009D74A; EMBL:Z35162; NID:g861154; PID
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R.Bevan, M.; Weichselgartner, M.; Fartmann, B.; Granderath, K.; Dauner, D.; Herzl, A.; I submitted to the Protein Sequence Database, October 1998
A.Reference number: Z15415
A.Accession: T05425
A.Accession: T05425
A.Accession: T05425
A.Residues: 1.629 < BEV>
A.Residues: 1.629 < BEV>
A.Residues: UNIPROT:P42731; UNIPARC:UPI00000BD7E; EMBL:AL021961
A.Experimental source: cultivar Columbia; BAC clone F28A23
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A;Introns: 90/1; 129/2; 348/3; 374/3; 404/3; 450/3; 507/3; 557/3
A;Introns: 90/1; 129/2; 348/3; 374/3; 404/3; 450/3; 507/3; 557/3
A;Introns: 90/1; 129/2; 348/3; 374/3; 404/3; 450/3; 507/3; 557/3
C;Superfamily: polyadenylate-binding protein; ribonucleoprotein repeat homology C;Keywords: nucleus; RNA binding
F;216-282/Domain: ribonucleoprotein repeat homology <RRM>
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NyAlternate names: poly(A)-binding protein
C.Species: Arabidopsis thaliana (mouse-ear cress)
C.Species: 23-Apr_1999 #sequence_revision 23-Apr-1999 #text_change 09-Jul-2004
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C; Superfamily: Arabidopsis thaliana hypothetical protein F27B13.20
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                                                                   Query Match 53.2%; Score 33; DB 2; Length 515; Best Local Similarity 60.0%; Pred. No. 2.6e+02; Matches 6; Conservative 1; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A;Gene: CWINV1
C;Superfamily: beta-fructofuranosidase
C;Keywords: cell wall; glycoprotein; glycosidase; hydrolase
                                                                                                                                                                                                                                                                       254 CHKLVİEVCR 263
                                                                                                                                                                                                           3 CRIVVIRVCR 12
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Matches 7
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Gaps

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Indels

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Query Match 53.2
Best Local Similarity 60.0
Matches 6; Conservative
                  Conservative
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Matches 5; Conservative
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799 LCKLTSIRPCK 809
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                                                                                                                                                         380 CMVVVCVVCR 389
                                                                                   3 CRIVVIRVCR 12
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A;Molecule type: DNA
A;Residues: 1-1378 <OBE>
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                  Matches
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A;Cross-references: UNIPROT: 092X74; UNIPARC: UPI00000CB3E6; GB:AL591985; FIDN: CAC48488.1; A;Experimental source: strain 1021, megaplasmid pSymB R;Galibert, F:; Finan, T.M.; Long, S.R.; Publer, A.; Abola, P.; Ampe, F.; Barloy-Hubler, pela, D.; Chain, P.; Cowie, A.; Davis, R.W.; Dreano, S.; Federspiel, N.A.; Fisher, R.F.; L.; Hyman, R.W.; Jones, T. Science 293, 668-672, 2001
A;Authors: Kahn, D.; Kahn, M.L.; Kalman, S.; Keating, D.H.; Kiss, E.; Komp, C.; Lelaure, hebault, P.; Vandenbol, M.; Vorholter, F.J.; Weidner, S.; Wells, D.H.; Wong, K.; Yeh, K.A;Title: The composite genome of the legume symbiont Sinorhizobium meliloti.
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Fi163-223/Domain: immunoglobulin homology <IMM>
Fi163-223/Domain: transmembrane #status predicted <ITM>
Fi369-813/Domain: intracellular #status predicted <ITM>
Fi369-813/Domain: intracellular #status predicted <ITM>
Fi469-754/Domain: protein kinase homology <KIN>
Fi477-485/Region: protein kinase ATP-binding motif
Fi58-103,170-221,268-332/Disulfide bonds: #status predicted
Fi59-115,231,255,287,308,321/Binding site: carbohydrate (Asn) (covalent) #status predict
Fi507,284,616/Accitve site: Lys, Gu, Asp #status predicted
Fi507,547/Binding site: magnesium (Asn, Asp) #status predicted
Fi647/Binding site: phosphate (Tyr) (covalent) (by autophosphorylation) #status predicted
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A.Description: Xenopus fibroblast growth factor receptor-2: cloning, expression and deve
A.Reference number: $25060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A;Molecule type: mRNA
A;Residues: 1-632,'A',634-813 <BRO>
A;Cross-references: UNIPARC:UP1000012A72B; EMBL:X65943; NID:g64694; PIDN:CAA46758.1; PID
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RiFriesel, R.; Brown, S.A.
Development 116, 1051-1058, 1992
A;Title: Spatially restricted expression of fibroblast growth factor receptor-2 during A;Reference number: A49123; MUID:93201992; PMID:1284237
A;Accession: A49123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Status: nucleic acid sequence not shown; not compared with conceptual translation A;Molecule type: mRNA A;Residues: 1-813 <FFI> A;Residues: 1-813 <FFI> A;Cross-references: UNIFROT:Q03364; UNIFARC:UPI0000172603; EMBL:X65943 A;Note: sequence extracted from NCBI backbone (NCBIP:128003)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        C; Superfamily: uncharacterized conserved protein with erythromycin esterase domain
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F;18-813/Product: fibroblast growth factor receptor 2 #status predicted <MAT>
F;18-367/Domain: extracellular #status predicted <EXT>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          fibroblast growth factor receptor 2 precursor - African clawed frog N;Contains: protein-tyrosine kinase (EC 2.7.1.112)
C;Species: Xenopus laevis (African clawed frog)
C;Date: 21-Jan.1994 #sequece_revision 27-Oct-1995 #text_change 09-Jul-2004
C;Accession: A49123; S25060
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      53.2%; Score 33; DB 2; Length 658 llarity 50.0%; Pred. No. 3.1e+02; Conservative 1; Mismatches 5; Indels
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Pred. No. 3.7e+02;
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Matches
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Best Local Similarity

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NALternate names: protein - Arabidopsis thaliana
NyAlternate names: protein T14E10.30
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 20-Apr-2000 #sequence_revision 20-Apr-2000 #text_change 09-Jul-2004
C;Accession: T47605
R;Obermaier; B; Ottenwaelder, B; Duchemin, D; Zeitler, K; Mewes, H.W.; Lemcke, K; Mt submitted to the Protein Sequence Database, March 2000
A;Reference number: 224463
                                                                                                      C;Accession: T04492 And Total Comments of States C; Scharfe, M.; Schon, O.; Hoheisel, J.; Mewes Rs;Bevan, M.; Brandt, P.; Dose, S.; Jarke, D.; Scharfe, M.; Schon, O.; Hoheisel, J.; Mewes submitted to the Procein Sequence Database, April 1998 A;Reference number: 215375
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                                      C.Species: Arabidopsis thaliana (mouse-ear cress)
C.Date: 30-Apr-1999 #sequence_revision 30-Apr-1999 #text_change 31-Dec-2004
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RNA/DNA-binding protein - mouse
Cyspecies: Mus musculus (house mouse)
Cyspecies: Mus musculus (house mouse)
Cyspecies: Mas musculus (bouse mouse)
Cyspecies: Man-1995 #sequence_revision 13-Jan-1995 #text_change 05-Oct-2004
Cyspecssion: S43417
Ryschmidt, G.; Werner, D.
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A;Cross-references: UNIPROT:049575; UNIPARC:UPI000048A36; EMBL:AL021633
A;Experimental source: cultivar Columbia; BAC clone F8F16
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C;Superfamily: Receptor-like protein kinase
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A;Map position: 3
A;Introns: 199/2; 1050/2; 1121/3; 1212/3; 1232/3; 1276/2; 1314/3
A;Note: T14E10.30
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protein kinase homolog F8F16.70 - Arabidopsis thaliana
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Wypothetical protein At2g26780 [imported] - Arabidopsis thaliana Cispecies: Arabidopsis thaliana (mouse-ear cress)
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 02-Feb-2001 #sequence_revision 02-Feb-2001 #text_change 09-Jul-2004
C;Accession: G84664
C;Accession: G84664
C;Accession: G84664
C;Accession: G84664
C;Batter Creation (C.D.; Fujii, C.Y.; N. M.; Noo, H.; Moffat, K.S.; Cronin, L.A.; Shen, M.; VanAken, S.E.; Umayam, L.; Tallon, L.; euss, D.; Nierman, W.C.; White, O.; Elsen, J.A.; Salzberg, S.L.; Fraser, C.M.; Venter, J. Natiuse 402. 761-768, 1999
A;Title: Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana.
A;Reference number: A84420; MUD:20083487; PMID:10617197
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A,Cross-references: UNIPROT:Q8S8S6; UNIPARC:UPI00000A3CO5; GB:AE002093; NID:g6598445; PII C,Genetics: A.2gaetics: A.2gaetics: A.2gaetics: A,A.3gaetics: A,A.3gaetics: A,A.3gaetics: 2
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A;Coss.references: UNIPROT:P91066; UNIPARC:UPI0000077BA4; EMBL:U80847; PIDN:AAB37986.1;
A;Experimental source: strain Bristol N2; clone C17H11
C;Genetics:
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C;Species: chloroplast Pinus thunbergiana (Japanese black pine)
C;Date: 14-May-1999 #sequence_revision 14-May-1999 #text_change 09-Jul-2004
C;Accession: T07522
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A,Introns: 34/2; 58/2
C,Superfamily: Caenorhabditis elegans hypothetical protein C17H11.5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 1732;
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Pred. No. 1.1e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Rjohnson, D. submitted to the EMBL Data Library, December 1996 submitted to the EMBL Data Library, December 1996 A; Description: The sequence of C. elegans cosmid C17H11. A; Reference number: Z20049
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 32.5; DB 2;
Pred. No. 8.2e+02;
2; Mismatches 2;
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A;Molecule type: DNA
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50.0%;
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                                                                      :||| | ||:|
354 KLCRAVTSLTIRIC 367
                                      1 RLCRIV---VIRVC 11
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Best Local Similarity 50.0
Matches 7; Conservative
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Best Local Similarity 41.7
Matches 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A;Status: preliminary
A;Molecule type: DNA
A;Residues: 1-1732 <STO>
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                                                                                                                          A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-365 <SCH>
A;Cross-references: UNIPROT:Q62150; UNIPARC:UPI000002891B; EMBL:X70067; NID:g433436; PID
F;161-229/Domain: ribonucleoprotein repeat homology <RRM2>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A,Accession: G43043
A;Molecule type: DNA
A;Cross-references: UNIPROT: P03215; UNIPARC: UPI000000CDE4; EMBL: V01555; NID: G59074; PIDN
B;Baer, R.; Bankier, A.T.; Biggin, M.D.; Deininger, P.L.; Farrell, P.J.; Gibson, T.J.; H
Nature 310, 207-211, 1984
A;Title: DNA sequence and expression of the B95-8 Epstein-Barr virus genome.
A;Reference number: A03794; MUID: 84270667; PMID: 6087149
A;Contents: annotation; protein coding region
C;Superfamily: cytomegalovirus UL100 protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            C;Species: human herpesvirus 4, Epstein-Barr virus
C;Date: 25-Feb-1995 #sequence revision 25-Feb-1995 #text_change 09-Jul-2004
C;Accession: G43043; A03777; $33030
R;Bankier, A.T.; Deininger, P.L.; Farrell, P.J.; Barrell, B.G.
A)L Biol. Med. 1, 21-45, 1993
A;Title: Sequence analysis of the 17,166 bp EcoRI fragment C of B95-8 Epstein-Barr virus
A;Reference number: A93065; MUID:85035713; PMID:6092825
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A;Status: translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-954 <ROU>A;Cross-references: UNIPROT:Q8S8S6; UNIPARC:UPI000017AF66; EMBL:AC005168; NID:g3426033;
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A;Map position: 2
A;Introns: 112/3; 168/3; 266/3; 325/3; 413/3; 455/3; 517/2; 629/2; 674/2; 682/3; 738/3;
A;Note: F12C20.18
                        A,Title: Sequence of a complete murine CDNA reflecting an S phase-prevalent transcript A,Reference number: S43417; MUID:94060110; PMID:8241277 A;Accession: S43417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            hypothetical protein F12C20.18 - Arabidopsis thaliana (fragment)
C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 24-Mar-1999 #sequence_revision 24-Mar-1999 #text_change 09-Jul-2004
C;Accession: T02657
R;Rounsley, S.D.; Ronning, C.M.; Lin, X.; Ketchum, K.A.; Crosby, M.L.; Brandon, R.C.; Bubmitted to the EMBL Data Library, August 1998
A;Description: Arabidopsis thaliana chromosome II BAC F12C20 genomic sequence.
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                                                                                                                                                                                                                                                                                                                               Query Match 52.4%; Score 32.5; DB 2; Length 365; Best Local Similarity 46.7%; Pred. No. 2.4e+02; Matches 7; Conservative 3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 56
QQBE35
BBRR3 protein - human herpesvirus 4 (strain B95-8)
Biochim. Biophys. Acta 1216, 317-320, 1993
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Gonserved hypothetical protein STV3300 [imported] - Salmonella enterica subsp. enterica seconserved hypothetical protein STV3300 [imported] - Salmonella enterica subsp. enterica serovar Typhi A;NOte: this species has also been called Salmonella typhi C;Date: 09-Nov-2001 #sequence_revision 09-Nov-2001 #text_change 18-Nov-2002 C;Accession: AC0883 G.; James, K.D.; Thomson, N.R.; Pickard, D.; Wain, J.; Churcher, R;Parkhill, J.; Dougan, G.; James, K.D.; Thomson, N.R.; Pickard, D.; Wain, J.; Churcher, K.; Moule, S.; Moule, S.; O'Gaora, P. Nature 413, 848-852, 2001 A;Authors: Parry, C.; Quail, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.; A;Authors: Parry, C.; Quail, M.; Rutherford, F.; Simmonds, M.; Skelton, J.; Stevens, K.; A;Feference number: AB0502; MUID:21534947; PMID:11677608
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Residues: 1-161 <PAR>
A;Cross-references: UNIPARC:UP1000005A462; GB:AL513382; PIDN:CAD02963.1; PID:g16504211; (
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A;Authors: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; Krespan, W.; Perry, M.; Gordon-Kamm, F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            flagellar protein FLGA precursor [imported] - Agrobacterium tumefaciens (strain C58, Dupo
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A;Molecule type: DNA
A;Mosidues: 1.162 «KUR>
A;Cross-references: UNIPROT:Q44339; UNIPARC:UPI000012A8EE; GB:AE008688; PIDN:AAL41568.1;
A;Experimental source: strain C58 (Dupont)
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A,Title: The Genome of the Natural Genetic Engineer Agrobacterium tumefaciens C58.
A,Reference number: AB2577; MUID:21608550; PMID:11743193
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C;Date: 11-Jan-2002 #sequence_revision 11-Jan-2002 #text_change 09-Jul-2004
C;Accession: AB2644
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Best Local Similarity 44.4%; Pred. No. 1.5e+02;
Matches 4; Conservative 3; Mismatches 2; Indels
                                      Indels
   60.0%; Pred. No. 1.5e+02;
tive 1; Mismatches 3
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C;Superfamily: flagellar protein FLGA precursor
   Best Local Similarity 60.0
Matches 6; Conservative
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77 RLIRTAVLTLCR 88
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55 CRALVKRQCR
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Matches 6; Conserv
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A; Status: preliminary
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A;Cross-references: UNIPROT:P41633; UNIPARC:UPI00001339F4; EMBL:D17510; NID:g529643; PID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             C; Accession: F75337
R; White, O.; Eisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.;
F. M.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Ma
S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.
Science 286, 1571-1577, 1999
A; Title: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.
A; Reference number: A75250; MUID:20036896; PMID:10567266
A; Accession: F75337
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A;Molecule type: DNA
A;Residues: 1-145 <WHI>
A;Cross-references: UNIPROT:Q9RT39; UNIPARC:UPI0000DD7386; GB:AE002032; GB:AE000513; NID
A;Experimental source: strain R1
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A;Residues: 1-157 <ADA>
A;Cross-references: UNIPROT:Q01881; UNIPARC:UPI000013300A; EMBL:D11430; NID:g218196; PID
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C;Species: Oryza sativa (rice)
C;Species: Oryza sativa (rice)
C;Species: 30-Sep-1993 #sequence_revision 30-Sep-1993 #text_change 31-Dec-2004
C;Accession: S31078
R;Adachi, T.; Izumi, H.; Yamada, T.; Tanaka, K.; Takeuchi, S.; Nakamura, R.; Matsuda, Plant Mol. Biol. 21, 239-248, 1993
A;Title: Gene etructure and expression of rice seed allergenic proteins belonging to tl A;Reference number: S31078; MUID:93144699; PMID:7678765
R;Wakasugi, T.; Tsudzuki, J.; Ito, S.; Nakashima, K.; Tsudzuki, T.; Sugiura, M. Proc. Natl. Acad. Sci. U.S.A. 91, 9794-9798, 1994
Proc. Natl. Acad. Sci. U.S.A. 91, 9794-9798, 1994
A;Title: Loss of all ndh genes as determined by sequencing the entire chloroplast
A;Reference number: 216030; MUID:95024047; PMID:7937893
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C,Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Map position: 1
C;Superfamily: conserved hypothetical protein 4 (insertion sequence ISH1.8)
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Pred. No. 1.4e+02;
5; Mismatches 1;
                                                                                                                                                 A;Status: preliminary; translated from GB/EMBL/DDBJA;Molecule type: DNA
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A,Genome: chloroplast
C;Superfamily: ribosomal protein L14/L17/L23
C;Keywords: chloroplast; ribosome
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Best Local Similarity 40.0-
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Matches 6; Conservative
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RAVVIRTCK 67
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C;Genetics: A;Gene: DR1927

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Query Match

us-10-657-851-37.rpr

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A.Status: preliminary
A.Ratus: preliminary
A.Molecule type: DNA
A.Residues: 1-274 <WHI>
A.Residues: 1-274 <WHI>
A.Cross-references: UNIPROT: Q9RTPO; UNIPARC: UPI00000D3EC1; GB: AE002013; GB: AE000513; NID:
A.Experimental source: strain R1
A.Gene: DR1717
A.Rep position: 1
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R;White, O; Bisen, J.A.; Heidelberg, J.F.; Hickey, E.K.; Peterson, J.D.; Dodson, R.J.; F., M.; Shen, M.; Vamathevan, J.J.; Lam, P.; McDonald, L.; Utterback, T.; Zalewski, C.; Mah S.; Smith, H.O.; Venter, J.C.; Fraser, C.M.
Science 286, 1571-1577, 1999
A;Fitle: Genome sequence of the radioresistant bacterium Deinococcus radiodurans R1.
A;Reference number: A75250; MUID:20036896; PMID:10567266
A;Status: preliminary
A;Molecule type: DNA
A;Molecule type: DNA
A;Rosiduse: 1-231 <KIRA
A;Cross-references: UNIPROT:Q8UDU4; UNIPARC:UPI0000D1D5F; GB:AE007869; PIDN:AAK87779.1;
C;Genetics:
A;Gene: AGR C 3670
A;Map position: circular chromosome
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C;Species: Deinococcus radiodurans
C;Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
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C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T27597
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                                                                                                                                                                                                                                                                                                                         Length 231;
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A;Molecule type: DNA
A;Residues: 1-277 <WIL>
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Best Local Similarity 66.7
Matches 6; Conservative
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Best Local Similarity
Matches 4; Conserv
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A;Gene: CESP:ZC47.7
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C;Species: Agrobacterium tumefaciens
C;Species: Agrobacterium tumefaciens
C;Species: Agrobacterium tumefaciens
C;Date: 11.-Jan.2002 #sequence_revision 11-Jan.2002 #text_change 09-Jul.2004
C;Accession: AC2825
R;Wood, DW; Setubal, J.C.; Kaul, R.; Monks, D.; Chen, L.; Wood, G.E.; Chen, Y.; Woo, I.
R;Wood, D.; Stubal, W.; Grant, C.; Guenthner, D.; Kutyavin, T.; Levy, R.; Li, M.; McClell
Science 294, 2317-2323, 2001
R;Authors: Yoo, H.; Tao, Y.; Biddle, P.; Jung, M.; Krespan, W.; Perry, M.; Gordon-Kamm,
Stattle: The Genome of the Natural Genetic Engineer Agrobacterium tumefaciens CS8.
A;Accession: AC2825
A;Atatus: preliminary
A;Residues: preliminary
A;Residues: Dreliminary
A;Residues: D
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C;Species: Agrobacterium tumefaciens
C;Date: 30-Sep-2001 #sequence_revision 30-Sep-2001 #text_change 09-Jul-2004
C;Accession: B97603
R;Goodner, B.; Hinkle, G.; Gattung, S.; Miller, N.; Blanchard, M.; Qurollo, B.; Goldman, A.; Liu, F.; Wollam, C.; Allinger, M.; Doughty, D.; Scott, C.; Lappas, C.; Markelz, B.; Science 294, 2332-2389, 2001
A;Tile: Genome Sequence of the Plant Pathogen and Biotechnology Agent Agrobacterium tum A;Reference number: A97359; MUID:21608551; PMID:11743194
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     transcription regulator Atu2025 [imported] - Agrobacterium tumefaciens (strain C58, Dupd
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A;Experimental source: strain CS8 (Dupont)
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                                                                  Apporthetical protein DKPZp434F222.1 - human (fragment)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Homo sapiens (man)
C;Species: Jacin-1999
B;Ansorge, W.; Wirkner, U.; Mewes, H.W.; Gassenhuber, J.; Wiemann, S.
Submitted to the Protein Sequence Database, June 1999
A;Accession: T12210
A;Accession: T12210
A;Status: preliminary
A;Molecule type: mRNA
A;Residues: 1-220
A;Residues: 1-220
A;Residues: UNIPROT:09Y4M6; UNIPARC:UPI000006E004; EMBL:AL080203
A;Experimental source: adult testis; clone DKFZp434F222
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C;Superfamily: DNA-directed DNA polymerase II
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A;Gene: Atu2025
A;Map position: circular chromosome
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            139 CRVVVHGVQAČR 150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 CRIVV--IRVCR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4 RIVVIRVCR 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 67
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A;Status: nucleic acid sequence not shown; translation not shown
A;Molecule type: DNA
A;Residues: 1.394 *KAN>
A;Residues: 1.394 *KAN>
A;Crossidues: U394 *KAN>
A;Crossidues: U394 *KAN>
A;Crossidues: U394 *KAN>
C;Cossidues: U394 *KAN>
A;Crossidues: U394 *KAN>
A;Crossidues: U394 *KAN>
A;Crossidues: U394 *KAN>
A;Crossidues: U395 *KAN>
C;Genetics:
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A;Variety: PCC 6803
A;Variety: ST, Nampo, S; Stimpo, S; Takeuchi, C; Wada, T; Watanabe, A; Yamada, M; Yasuda, O, X; Okumura, S; Stimpo, S; Takeuchi, C; Wada, T; Watanabe, A; Yamada, M; Yasuda, A;Title: Sequence analysis of the genome of the unicellular cyanobacterium Synechocystis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Cross-references: UNIPROT:Q19788; UNIPARC:UPI000007A817; EMBL:Z69360; PIDN:CAA93283.1; A;Experimental source: clone P25H8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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C;Accession: T21367
B;Accession: T21367
A;Reference number: 219413
A;Reference number: Z19413
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
A;Residues: 1-390 cWIL>
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                  A;Cross-references: UNIPROT:049495; UNIPARC:UPI000009E2B7; EMBL:AL021961
A;Experimental source: cultivar Columbia; BAC clone F28A23
C;Genetics:
A;Map position: 4
A;Introns: 99/1; 127/1; 152/1; 166/2; 185/3; 220/1; 235/3; 267/2; 294/3
A;Note: F28A23.150
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                                                                                                                                                                                                                                                                                                                                      51.6%; Score 32; DB 2; Length 377, 66.7%; Pred. No. 3e+02; tive 1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  hypothetical protein - Synechocystis sp. (strain PCC 6803)
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A;Accession: S75996
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                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 66.79
Matches 6; Conservative
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A,Gene: CESP:F25H8.2
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A;Title: Complete genome sequence of an aerobic hyper-thermophilic Crenarchaeon, Aeropyr A;Reference number: A72450; MUID:99310339; PMID:10382966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;Cross-references: UNIPROT:045989; UNIPARC:UPI000061344; EMBL:281142; PIDN:CAB03506.1;
Experimental source: clone ZK1037
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ;Accession: C72711
;Status: preliminary
;Molecule type: DNA
;Residues: 1-350 «KM»>
;Cross-references: UNIPROT:Q9YD06; UNIPARC:UPI000005DDF8; DDBJ:AP000060; NID:g5104188;
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                                                                                                                                                                                                                                                C:Species: Caenorhabditis elegans
C;Date: 15-Oct-1999 #sequence_revision 15-Oct-1999 #text_change 09-Jul-2004
C;Accession: T27662
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C;Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
C;Accession: C72711
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                                                                                                                                                                                                                lypothetical protein ZK1037.7 - Caenorhabditis elegans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 51.6%; Score 32; DB 2; I Best Local Similarity 62.5%; Pred. No. 2.8e+02; Matches 5; Conservative 3; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Status: preliminary; translated from GB/EMBL/DDBJ; Molecule type: DNA; Residues: 1-338 <WIL>
                                                                                                                                                                                                                                                                                                                                                                                             R.Basham, V.
submitted to the EMBL Data Library, October 1996
A.Reference number: 220401
A.Accession: T27662
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Map position: 5
A;Introns: 24/2; 77/2; 170/2; 246/2
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Best Local Similarity 60.0
Matches 6; Conservative
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222 ILVIRICK 229
RLVVRKVCR 31
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A;Molecule type: DNA
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A; Experimental source: strain 35c
R; Simpson, A.J.G.; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Acencio, M.; Alvarenga, R.; All Briones, M.S.; Bueno, M.R.D.; Camargo, A.A.; Camargo, L.E.A.; Carraro, D.M.; Carrer, H. as.Neto, E.; Docena, C.; Bl-Dorry, H.; Fraincani, A.D.; Frreita, A.J.S.
submitted to GenBank, June 2000
A; Authors: Ferreita, A.J.; Fraga, J.S.; Franca, S.C.; Franco, M.C.; Frohme A; Authors: Ferreita, M.L.; Kemper, E.L.; Kitajima, J.P.; Krieger, J.E.; Kuramae, E.E.; Laigre chado, M.A.; Madeira, A.M.B.N.; Madeira, H.M.F.; Martino, C.L.; Marques, M.V.; Martins, E. A; Authors: Martins, E.M.F.; Mateukuma, A.Y.; Menck, C.F.N.; Miraca, B.C.; Miyaki, C.Y.; F.G.; Nunes, L.R.; Oliveira, M.C.; de Oliveira, M.C.; de Oliveira, R.C.; Palmieri, D.A.; Rodrigues, V.; Rosa, A.J. de M.; de Rosa Jr., V.E.; de Silva, A.M.; Silva Jr., W.A.; da Silva, A.M.; Silva Jr., W.A.; da Silva, A.M.; Tsuhako, M.H.; Vallada, H.; Van Sluys, M.A.; Verjovski-Almeida, S.; Vettore, A.L.; Zz A; Contents: annotation
C; Genetics:
A; 
   R;anonymous, The Xylella fastidiosa Consortium of the Organization for Nucleotide Sequenc Nature 406, 151-157, 2000
A;Title: The genome sequence of the plant pathogen Xylella fastidiosa.
A;Reference number: A82515; MUID:20365717; PMID:10910347
A;Note: for a complete list of authors see reference number A59328 below
A;Accession: B82652
                                                                                                                                                                                                                                                        A;Status: preliminary
A;Molecule type: DDA
A;Residues: 1-498 <SIM>
A;Cross_references: UNIPROT:Q9PC67; UNIPARC:UPI00000C2895; GB:AE004011; GB:AE003849; NID:
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C,Date: 03-Dec-1999 #sequence_revision 03-Dec-1999 #text_change 09-Jul-2004
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N;Alternate names: chronic granulomatous disease protein; X-CGD protein
C;Species: Homo sapiens (man)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         probable vacuolar protein - fission yeast (Schizosaccharomyces pombe)
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R;Murphy, L.; Harris, D.; Barrell, B.G.; Rajandream, M.A.; Wood, V. submitted to the EMBL Data Library, September 1997
A;Reference number: Z21749
A;Accession: T37840
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: DNA
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Pred. No. 3.7e+02;
1; Mismatches 3; Indels
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Pred. No. 4e+02;
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C;Superfamily: vacuolar segregation protein PEP7
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54.5%;
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Best Local Similarity 54.50,
Best Local Similarity 64.50,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity 60.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 298 RLCGRVICRFC 308
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342 LCRNDIYRVC 351
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 78
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Proc. Natl. Acad. Sci. U.S.A. 91, 8452-8456, 1994

A;Title: Isolation of a human cDNA for heme A:farnesyltransferase by functional compleme A;Reference number: 138603; MUID:94359949; PMID:8078902
A;Accession: 138603
A;Status: preliminary
A;Molecule type: mRNA
A;Residuae: 1-443 <RES>
A;Cross-references: UNIPROT:Q12887; UNIPARC:UPI000016A0A5; EMBL:U09466; NID:g495492; PIC C;Genetics:
                                                                                                                                                                                                                                                                               C; Species: Salmonella enterica subsp. enterica servora Typhi
A; Note: this species has also been called Salmonella typhi
C; Sacession: AF0791
R; Parkhill, J; Dougan, G; James, K.D; Thomson, N.R; Pickard, D.; Wain, J.; Churcher, H. T; Connerton, P; Cronin, A; Davis, P; Davies, R.M; Dowd, L.; White, N.; Farrar, S.; Moule, S.; O'Gaora, P.
Nature 413, 848-852, 2001
A; Althors Parky, C.; Quail, M.; Rutherford, K.; Simmonds, M.; Skelton, J.; Stevens, K.; A; Title: Complete genome sequence of a multiple drug resistant Salmonella enterica servy A; Reference number: AB0502; MUID:21534947; PMID:11677608
                                                                                                                                                                                                                                                        - Salmonella enterica subsp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 A;Residues: 1-396 <PAR>
A;Cross-references: UNIPARC:UPI0000000BB; GB:AL513382; PIDN:CAD07512.1; PID:g16503505; C;Genetics:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 anthranilate synthase component I XF1914 [imported] - Xylella fastidiosa (strain 9a5c)
C;Species: Xylella fastidiosa
C;Date: 18-Aug-2000 #sequence_revision 20-Aug-2000 #text_change 09-Jul-2004
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C;Date: 09-Mar-1996 #sequence_revision 09-Mar-1996 #text_change 09-Jul-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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Pred. No. 3.1e+02;
4; Mismatches 3; Indels
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Pred. No. 3.4e+02;
1; Mismatches 3; Indels
                                                                                                                                                                                                                                                        probable transmembrane transport protein STY2509 [imported]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              heme A farnesyltransferase (EC 2.5.1.-) - human
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60.0%;
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Best Local Similarity 36.4%;
Matches 4; Conservative
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A;Map position: 1/p12-1/p11.2
C;Superfamily: COXIO protein
C;Keywords: transferase
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Best Local Similarity 60.0
Matches 6; Conservative
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                                             105 CEIIAIRSC 113
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3 CRIVVIRVC 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Accession: AF0791
A; Status: preliminary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             A; Molecule type: DNA
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B82622
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Page 19

A; Molecule type: mRNA

Accession: A25722

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Cispecies: Arabidopsis thaliana (mouse-ear cress)
Cispecies: Arabidopsis thaliana (mouse-ear cress)
Cispecies: Arabidopsis thaliana (mouse-ear cress)
Cispecies: O2-Mar-2001 #sequence_revision 02-Mar-2001 #text_change 09-Jul-2004
Ciscession: C56534
R;Theologis, A.; Ecker, J.R.; Palm, C.J.; Federspiel, N.A.; Kaul, S.; White, O.; Alonso, Chin, C.W.; Chung, M.K.; Conn, L.; Conway, A.B.; Conway, A.R.; Creasy, T.H.; Dewar, K.; Nature 408, 816-820, 2000
A;Authors: Hunter, J.L.; Jenkins, J.; Johnson-Hopson, C.; Khan, S.; Khaykin, E.; Kim, C.C.A.; Li, J.H.; Li, Y.; Lin, X.; Liu, S.X.; Liu, Z.A.; Luros, J.S.; Maiti, R.; Marziali, Rizzo, M.; Rooney, T.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, I ker, M.; Wu, D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.
A;Authors: Salzberg, S.L.; Schwartz, J.R.; Shinn, P.; Southwick, A.M.; Sun, H.; Tallon, I ker, M.; D.; Yu, G.; Fraser, C.M.; Venter, J.C.; Davis, R.W.
A;Title: Sequence and analyais of chromosome 1 of the plant Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gorgate dehydrogenase (EC 1.2.1.2) alpha chain MJ1351 (similarity) - Methanococcus jannas (Species: Methanococcus jannaschii (Species: Methanococcus jannaschii (Species: Methanococcus jannaschii (Space: 15-Sep-2000 #sequence_revision 15-Sep-2000 #text_change 05-Oct-2004 (Spacesion: A59148; Me14468 (Me14468 Methanococcus Methanococcus (Methanococcus Methanococcus (Methanococcus Methanococcus (Methanococcus Methanococcus (Methanococcus Methanococcus Methanococcu
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A;Residues: 152-686 <BUL1>
A;Cross-references: UNIPARC:UP10000174F63; GB:U67575; GB:L77117; NID:g1591992; PID:g15915
A;Note: the original version of Genbank entry U67575, used an incorrect initiation codon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A;Residues: 1-671 <STO>
A;Cross-references: UNIPROT:Q9FXA2; UNIPARC:UPI00000A2E97; GB:AE005173; NID:g10120431; PJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       A,Molecule type: DNA
A,Residues: 1-686 -8DUZ>
A,CCOSS-references: UNIPARC:UP10000174F62; GB:U67575; GB:L77117; NID:g1591992
A,NOte: this ORP is annotated but not translated in GenBank entry U67575, release 117; th
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C;Superfamily: polyadenylate-binding protein; ribonucleoprotein repeat homology
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Pred. No. 4.7e+02;
3; Mismatches 1;
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Best Local Similarity 55.6%;
Matches 5; Conservative
     : :|:||||
72 VANVVSVRVCR 82
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A; Accession: H64468
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           C;Genetics:
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A;Residues: 1-570 ablns
A;Cross-references: UNIPROT:P04839; UNIPARC:UPI000001628; EMBL:X05895; NID:g30300
A;Cross-references: UNIPROT:P04839; UNIPARC:UPI000001628; EMBL:X05895; NID:g30300
A;Note: this is a revision to the sequence from reference A25722
A;Note: only a list of differences from sequence A25722 is shown
B;Royer-Pokora, B.; Kunkel, L.M.; Monaco, A.P.; Goff, S.C.; Newburger, P.E.; Baehner, R. Nature 322, 32-38, 1986
A;Title: Cloning the gene for an inherited human disorder--chronic granulomatous disease
A;Title: Cloning the gene for an inherited human disorder--chronic granulomatous disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     A; Molecule type: mRNA
A; Residues: 103-570 <ROY-
A; Cross-references: UNIPARC: UPI000017C0D6; EMBL: X04011; NID: g37983
A; Cross-references: UNIPARC: UPI000017C0D6; EMBL: X04011; NID: g37983
A; Note: this sequence has been revised in reference S07340
B; Teahan, C.; Rowe, P.; Parker, P.; Totty, N.; Segal, A.W.
Nature 327, 720-721, 1987 Totty, N.; Segal, A.W.
A; Title: The X-linked chronic granulomatous disease gene codes for the beta-chain of cyt
A; Reference number: S00462; MUID: 87258190; PMID: 3600769
                                                                                                                                                                                                          A;Title: The glycoprotein encoded by the X-linked chronic granulomatous disease locus is A;Reference number: S07340; MUID:87258189; PMID:3600768
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R;Vysotskala, V.S.; Schwartz, J.R.; Toriumi, M.; Yu, G.; Oji, O.; Kwan, A.; Liu, S.; Li, rtz., D.; Li, Y.; Balm, C.J.; Shinn, P.; Sun, H.; Davis, R.W.; Ecker, J.R.; Federspiel, heubhitted to the EMBL Data Library, July 1998
A;Description: Arabidopsis thaliana chromosome 1 BAC T22J18 sequence, complete sequence.
A;Reference number: Z14202
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A;Molecule type: DNA
A;Residues: 1-655 <VYS>
A;Cross-references: UNIPROT:064380; UNIPARC:UPI000016D899; EMBL:AC003979; NID:g3172156;
C;Genetics:
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C;Date: 28-Oct-1996 #sequence_revision 08-Nov-1996 #text_change 09-Jul-2004 C;Accession: S70773; A25722; S00462 R;Dinauer, M.C.; Orkin, S.H.; Brown, R.; Jesaitis, A.J.; Parkos, C.A. Nature 327, 717-720, 1987
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C;Species: Arabidopsis thaliana (mouse-ear cress)
C;Date: 12-Feb-1999 #sequence_revision 12-Feb-1999 #text_change 09-Jul-2004
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Pred. No. 4.2e+02;
4; Mismatches 2; Indels
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A;Gene: GDB:CYBB; CGD; GP91-PHOX; X-CGD A;Cross-references: GDB:120513; OMIM:306400 A;Map position: Xp21.1-Xp21.1 C;Keywords: heterodimer

51.6%;

Query Match Best Local Similarity

Best Loc Matches

4; Conservative

CMLILLPVCR 73

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Molecule type: protein Residues: 2-42,'X',44 <TEA> Cross-references: UNIPARC:UP1000017C0D7

Accession: S00462

51.6%; Score 32; DB 2; L 45.5%; Pred. No. 4.7e+02; vative 3; Mismatches 3;

A;Map position: 1 A;Introns: 102/1; 362/3; 388/3; 418/3; 512/3; 584/3 A;Note: T22J18.7

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Gispecies: Mus musculus (house mouse)
Cispecies: Og-Jun-2000 #sequence_revision 09-Jun-2000 #text_change 09-Jul-2004
Cispecies: Missequence_revision 09-Jun-2000 #text_change 09-Jul-2004
Cispecies: Pridell, R.A.
Genomics 61, 243-258, 1999
A;Title: Characterization of the human and mouse unconventional myosin XV genes responsit A;Reference number: A59266; MUID:20021762; PMID:10552926
A;Reference number: A59265
A;Retus: preliminary; not compared with conceptual translation
A;Molecule type: mRNA
A;Residues: 1-3511 <LIA>
A;Cross_references: UNIPROT:Q9QZZ4; UNIPARC:UPI000002A123; GB:AF144095; NID:g6224684; PII
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C;Date: 02-Jun-2000 #sequence_revision 02-Jun-2000 #text_change 09-Jul-2004
C;Date: 02-Jun-2000 #sequence_revision 02-Jun-2000 #text_change 09-Jul-2004
C;Accession: A59266
R;Lidang, X.; Wang, A.; Belyantseva, I.A.; Anderson, D.W.; Probst, F.J.; Barber, T.D.; Mi)
an, T.B.; Fridell, R.A.
Genomics 61, 243-258, 1999
A;Title: Characterization of the human and mouse unconventional myosin XV genes responsil
A;Reference number: A59266; MUID:20021762; PMID:10552926
A;Accession: A59266
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A,Residues: 1-3530 <LLA>
A;Cross-references: UNIPROT:Q9UKN7; UNIPARC:UPI000012FABF; GB:AF144094; NID:g6224682; PII
F;1225-1887/Domain: myosin motor domain homology <MMO>
                                                                                 A;Reference number: $42368
A;Accession: $42373
A;Accession: $42373
A;Molecule type: DNA
A;Residues: 1-3051 <SMI>A;Cross-references: UNIPARC:UPI000017BBC8; EMBL:Z30423; NID:g458479; PID:g458485
C;Genetics: 96/1; 166/3; 201/2; 355/1; 404/1; 427/2; 794/1; 892/1; 952/2; 1041/1; 1146/1; F;512-679/Domain: von Willebrand factor type A repeat homology <VWAL>
F;754-793/Domain: Edr homology <EGF>
F;1201-1244/Domain: EGF homology <EGF>
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F;1209-1871/Domain: myosin motor domain homology <MMO>
                              R; Smith, A. submitted to the EMBL Data Library, March 1994
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41.7%;
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1292 RICRPALVDECR 1303
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A;Cross-references: MGI:1261811
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Matches 5; Conservative
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Matches 5; Conservative
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   C; Accession: S42373
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Molecule type: DNA
A;Residues: 1-1513 <MIL>
A;Cross-references: UNIPROT:017970; UNIPARC:UP10000076B6D; EMBL:281573; PIDN:CAB04625.1;
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A;Rolicule type: DNA
A;Residues: 1-1175 <WUX>
A;Residues: 1-1175 <WUX>
A;Cross-references: UNIPARC:UP10000179EE1; EMBL:U42436; PIDN:AAA83487.1; CESP:C49H3.10
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                                                                                                                                                                                                                                                                                                                                                                                 hypothetical protein C49H3.10 - Caenorhabditis elegans
C;Species: Caenorhabditis elegans
C;Date: 29-Oct-1999 #sequence_revision 29-Oct-1999 #text_change 29-Oct-1999
C;Accession: T34H82
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C;Species: Caenorhabditis elegans
C;Date: 07-Oct-1994 #sequence_revision 10-Nov-1995 #text_change 09-May-2004
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A;Introns: 23/3; 71/3; 121/3; 183/1; 1083/3; 1141/3; 1408/1; 1449/1
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                                                      51.6%; Score 32; DB 2; Length 686; 50.0%; Pred. No. 4.8e+02; tive 3; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         submitted to the EMBL Data Library, December 1995
A;Description: The sequence of C. elegans cosmid C49H3.
A;Reference number: Z21485
F;144/Modified site: selenocysteine #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      hypothetical protein M02G9.1 - Caenorhabditis elegans C; Species: Caenorhabditis elegans
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 51.6%; Score 32; DB 2; I Best Local Similarity 45.5%; Pred. No. 9.1e+02; Matches 5; Conservative 3; Mismatches 3.
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                                                                              Local Similarity 50.0
                                                                                                                                                                                                             670 LCKIPELKVC 679
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1139 ICRLDVIRV 1147
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                                                                                                                                                                         2 LCRIVVIRVC 11
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Gene: CESP:M02G9.1
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                                                         Query Match
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Matches
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Pred. No.

55.6%;

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Best Local Similarity Matches 5; Conserv

3501 LCRVVAVHV 3509

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LCRIVVIRV 10

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NiAlternate names: four repeat ion channel
C;Species: Rattus norvegicus (Norway rat)
C;Accession: T17101
R;Lee, J.H.; Cribbs, L.; Perez-Reyes, B.
FEBS Lett. 445, 231-236, 1999
A;Title: Cloning of a novel four repeat protein related to voltage-gated sodium and calci
A;Reference number: 218680; MUID:99192286; PMID:10094463
                                                                                                                                                                                                                                                                                                                                                             A,Residues: 1-1737 <LEE>
A,Cross-references: UNIPROT:Q9Z165; UNIPARC:UPI00000E703E; EMBL:AF078779; NID:g3800829; I
A,Experimental source: strain Sprague-Dawley; brain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         hypothetical protein NWA2167 [imported] - Neisseria meningitidis (strain Z2491 serogroup C; Species: Neisseria meningitidis C; Species: Neisseria meningitidis C; Date: 05-May-2000 #sequence_revision 05-May-2000 #text_change 09-Jul-2004 C; Accession: D81789  
C; Accession: D81789  
; Holroyd, S.; Jagels, K.; Leather, S.; Moule, S.; Mungall, K.; Quail, M.A.; Rajandream, Nature 404, 502-506, 2000  
A; Title: Complete DNA sequence of a serogroup A strain of Neisseria menigitidis Z2491. A; Reference number: A81775; MUID:20222556; PMID:10761919
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypothetical protein XP2373 [imported] - Xylella fastidiosa (strain 9a5c)
C;Species: Xylella fastidiosa
C;Date: 18-Aug-2000 #sequence_revision 20-Aug-2000 #text_change 09-Jul-2004
C;Accession: F82564
R;anonymous, The Xylella fastidiosa Consortium of the Organization for Nucleotide Sequence Nature 406, 151-157, 2000
A;Title: The genome sequence of the plant pathogen Xylella fastidiosa.
A;Reference number: A82515; MUD: 20365717; PMID: 10910347
A;Note: for a complete list of authors see reference number A59328 below
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Cross-references: UNIPROT:Q9JSSO; UNIPARC:UPI0000C4D57; GB:AL162758; GB:AL157959; NID: A;Experimental source: serogroup A, strain 22491
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R;Simpson, A.J.G.; Reinach, F.C.; Arruda, P.; Abreu, F.A.; Acencio, M.; Alvarenga, R.; A)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 31.5; DB 2;
Pred. No. 1.2e+03;
2; Mismatches 2;
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Pred. No. 1.1e+02;
4; Mismatches 2
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A, Status: preliminary; translated from GB/EMBL/DDBJ
A, Molecule type: mRNA
         rat
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nes 7; Conservative
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11 CRLKILEIC 19
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Best Local Similarity
Matches 3; Conserv
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A; Residues: 1-108 <SIM>
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A Molecule type: DNA
A; Residues: 1-62 < PAR>
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R;Choisne, N.; Robert, C.; Brottier, P.; Wincker, P.; Cattolico, L.; Artiguenave, F.; Sa
submitted to the Protein Sequence Database, July 1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RiFraser, C.M.; Norris, S.J.; Weinstock, G.M.; White, O.; Sutton, G.G.; Dodson, R.; Gwirtson, J.; Khalak, H.; Richardson, D.; Howell, J.K.; Chidambaram, M.; Utterback, T.; McDdthey, L.; Weidman, J.; Smith, H.O.; Venter, J.C.
Science 281, 375-388, 1998
A;Title: Complete genome sequence of Treponema pallidum, the syphilis spirochete.
A;Reference number: A71250; MUID:98332770; PMID:9665876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      A;Cross-references: UNIPROT:083897; UNIPARC:UPI0000139B28; GB:AE001261; GB:AE000520; NID
A;Experimental source: strain Nichols
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ;Molecule type: mRNA
|Residues: 1-3856 <GAR>
|Cross-references: UNIPROT:Q9M4D7; UNIPARC:UPI00009FA91; EMBL:AJ250248; PIDN:CAB86487.
                                                                                                                                                                                                                         C.Species: Arabidopsis thaliana (mouse-ear cress)
C.Species: Arabidopsis thaliana (mouse-ear cress)
C.Date: 28-Jul-2000 #sequence_revision 28-Jul-2000 #text_change 09-Jul-2004
C.Accession: T51174; T13008
R.Garcia, V.; Salanoubat, M.; Choisne, N.; Tissier, A.F.
Nucleic Acids Res. 28, 1692-1699, 2000
A.Title: An ATM homologue from Arabidopsis thaliana: complete genomic organisation and A.Reference number: 225324
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C;Species: Treponema pallidum subsp. pallidum (syphilis spirochete)
C;Date: 24-Jul-1998 #sequence_revision 24-Jul-1998 #text_change 09-Jul-2004
C;Accession: H71263
   Gaps
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   Indels
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Mismatches
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A;Status: significant sequence differences A;Molecule type: mRNA

Genetics:

Reference number: 217586

A; Accession: T13008

51.6%;

Query Match 51.6 Best Local Similarity 54.5 Matches 6, Conservative

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Residues: 1-196 <COL> A, Molecule type: DNA

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4; Conservative
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57 IVRAVIVRTCK 67
                                                  2 LCRIVVIRVC 11
                                                                                | | :::: | |
8 LCLLIMLAVC 17
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A; Residues: 1-122 <FUK>
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Briones, M.R.S.; Bueno, M.R.P.; Camargo, A.A.; Camargo, L.E.A.; Carraro, D.M.; Carrer, H. as BrNeto, E.; Docena, C.; El-Dorry, H.; Facincani, A.P.; Ferreira, A.J.S.
submitted to Genbank, June 2000
A;Authors: Ferreira, V.C.A.; Ferro, J.A.; Fraga, J.S.; Franca, S.C.; Franco, M.C.; Frohm J.D.; Junqueira, M.L.; Kemper, E.L.; Kitajima, J.P.; Krieger, J.E.; Kuramae, E.E.; Laigr Grado, M.A.; Madeira, A.M.B.N.; Madeira, H.M.F.; Marino, C.L.; Marques, M.V.; Martins, F.A;Authors: Martins, E.M.F.; Matsukuma, A.Y.; Menck, C.F.M.; Mirraca, E.C.; Miyaki, C.Y.; F.G.; Numes, L.R.; Oliveira, M.A.; de Oliveira, M.C.; de Oliveira, R.C.; Palmieri, D.A. Rodrigues, V.; Rosa, A.J. de M.; de Rosa Jr., V.E.; de Sa, R.G.; Santelli, R.V.; Sawasak A.Huthors: da Silva, A.C.R.; da Silva, A.M.; Salva, A.M.; Silva Jr., W.A.; da Silvai, M.J.; Tsuhako, M.H.; Vallada, H.; Van Sluys, M.A.; Verjovski-Almeida, S.; Vettore, A.L.; Z.A.Contents: annotation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            A,Molecule type: mRNA
A,Residues: 1-111 <PAR>
A,Residues: 1-111 <PAR>
A,Cross-references: UNIPROT: P02782, UNIPARC: UPI0000174462
B,Cross-references: U.Y.
J. Biol. Chem. 257, 122-125, 1982
A,Title: Prostate alpha-protein. Complete amino acid sequence of the component that inhi
A,Reference number: A92348; MUID: 82075873; PMID: 7198120
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A;Molecule type: protein
A;Residues: 24-73,'D',75-89,'E',91,'G',93-111 <LIA>
A;Residues: 24-73,'D',75-89,'E',91,'G',93-111 <LIA>
A;Cross-references: UNIPARC:UPI0000174463
B;Cross-references: UNIPARC:UPI000017463
B;Delacy, B.; Rombauts, W.; Volckaert, G.; Peeters, B.; Mous, J.; Heyns, W.
Biochem. Soc. Trans. 10, 51, 1982
A;Title: Identification of a complementary-DNA clone containing part of the sequence inf
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A;Title: The nucleotide sequence of cDNA complementary to the C(1) component of rat pros A;Reference number: S42615; MUID:83234456; PMID:6688048
A;Accession: S42615
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;Keywords: heterotetramer; prostate; steroid binding
;1-23/Domain: signal sequence #status predicted <SIG>
;24-111/Product: prostatic steroid-binding protein chain Cl #status experimental <MAT>
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A; Residues: 1-3, IK', 6-89, 'E', 91,'G', 93-111 <DE2>
A; Residues: 1-3, IK', 6-89, 'E', 91,'G', 93-111 <DE2>
C; Comment: Steroid-binding protein, the principal secretory protein in rat prostatic The chains of each dimer are linked by disulfide bonds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         prostatic steroid-binding protein chain Cl precursor - rat
Cispecies: Rattus norvegicus (Norway rat)
Cispecies: 1S-Oct-1982 #sequence_revision 1S-Oct-1982 #text_change 09-Jul-2004
CiAccession: A59286; A92348; A90348; S42615; A03252
R;Parker, M.; Needham, M.; White, R.
Mature 298, 92-94, 1982
A;Title: Prostatic steroid binding protein: gene duplication and steroid binding.
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Pred. No. 1.7e+02;
4; Mismatches 2; Indels
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Pred. No. 1.7e+02;
2; Mismatches 4;
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A;Residues: 13-14,'S',16,'GG',19-65 <DEL>
A;Cross-references: UNIPARC:UP10000174464
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40.0%;
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42 ICDVVVAMCCR 52
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Best Local Similarity
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Matches 5; Conserv
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Tibosomal protein L14, chloroplast - spinach chloroplast
N;Alternate names: ribosomal protein CS-L29
C;Species: chloroplast Spinacia oleracea (spinach)
C;Dapeies: 31-Dec-1990 #sequence_revision 31-Dec-1990 #text_change 09-Jul-2004
C;Accession: S01980; S20560
R;Zhou, D.X.; Quigley, F.; Massenet, O.; Mache, R.
Mol. Gen. Genet. 216, 439-445, 1989
A;Fitle: Cotranscription of the S10- and spc-like operons in spinach chloroplasts and ide
A;Reference number: S01976; MUID:89313684; PMID:2747623
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A,Molecule type: DDA
A,Residues: 1-122 <ZHO>
A,Cross-references: UNIPROT:P09596; UNIPARC:UP1000016D3F1; EMBL:X13336; NID:g12307; PIDN:
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Nature 322, 572-574, 1986
A;Title: Chloroplast gene organization deduced from complete sequence of liverwort March?
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A;Contents: annotation; gene organization, while the solution of th
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ribosomal protein L14, chloroplast - liverwort (Marchantia polymorpha) chloroplast C;Species: chloroplast Marchantia polymorpha
C;Species: chloroplast Marchantia polymorpha
C;Dacesion: A02790; S01560
C;Accesion: A02790; S01560
R;Obyama, K.
submitted to the EMBL Data Library, October 1986
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C;Keywords: chloroplast; protein biosynthesis; ribosome
F;1-122/Product: ribosomal protein L14 #status experimental <MAT>
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Pred. No. 1.8e+02;
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C;Keywords: chloroplast; protein biosynthesis; ribosome
F;1-122/Product: ribosomal protein L14 #status predicted <MAT>
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A,Molecule type: DNA
A,Residues: 1-142 - SAN>
A,Cross-references: UNIPROT:P39509; UNIPARC:UPI0000133C43; EMBL:Z21677; NID:9437921; PIDP
R,Cross-references: UNIPROT: P39509; UNIPARC:UPI0000133C43; EMBL:Z21677; NID:9437921; PIDP
R,Nelson, K.E.; Clayton, R.A.; Gill, S.R.; Gwinn, M.L.; Dodson, R.J.; Haft, D.H.; Hickey,
Garrett, M.M.; Stewart, A.M.; Cotton, M.D.; Pratt, M.S.; Phillips, C.A.; Richardson, D.;
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A;Residues: 1-142 -ARNN
A;Cross-references: UNIPARC:UP10000133C43; GB:AE001798; GB:AE000512; NID:g4982033; PIDN:/
A;Experimental source: strain MSB8
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C,Superfamily: varicella-zoster virus gene 35 protein
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G'Species: Helicobacter pylori
A'Variety: strain J99
G'Species: strain J99
C'Date: 12-Feb-1999 #sequence_revision 12-Feb-1999 #text_change 09-Jul-2004
C'Date: 12-Feb-1999 LS.L.; Moir, D.T.; King, B.L.; Brown, E.D.; Doig, P.C.; Smith, D.R.; Ives, C.; Gibson, R.; Merberg, D.; Mills, S.D.; Jiang, Q.; Taylor, D.E.; Vovis, G.F.; Nature 397, 176-180, 1999
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A;Title: Evidence for lateral gene transfer between Archaea and Bacteria from genome seqn
A;Reference number: A72200; MUID:99287316; PMID:10360571
A;Accession: E72249
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C;Species: Thermotoga maritima
C;Date: 31-Dec-1993 #sequence_revision 02-Aug-1994 #text_change 09-Jul-2004
C;Accession: 540195; E72249
R;Sanangelantoni, A; Tiboni, O.
8ubmitted to the EMBL Data Library, February 1993
A;Reference number: S37489
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C;Species: alcelaphine herpesvirus 1
C;Date: 24-Mar-1999 #sequence_revision 24-Mar-1999 #text_change 09-Jul-2004
C;Accession: T03115
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Vizol. 71, 6517-6525, 1997
A;Title: Primary structure of the alcelaphine herpesvirus 1 genome.
A;Reference number: Z14840; MUID:97404659; PMID:9261371
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C;Superfamily: Bscherichia coli ribosomal protein L16
C;Keywords: protein biosynthesis; ribosome
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A;Status: preliminary; translated from GB/EMBL/DDBJ A;Molecule type: DNA
A;Residues: 1-250 <ENS>
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Best Local Similarity 50.0%;
Matches 5; Conservative
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85 RVCYVVELKTC 95
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C;Species: Pseudomonas aeruginosa
C;Species: Pseudomonas aeruginosa
C;Species: Double Strong                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   A;Reaidues: 1-134 <STO>
A;Cross-references: UNIPROT:Q9HU64; UNIPARC:UPI0000C5F10; GB:AE004925; GB:AE004091; NIC
A;Experimental source: strain PAO1
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R;Kawarabayasi, Y.; Hino, Y.; Horikawa, H.; Yamazaki, S.; Haikawa, Y.; Jin-no, K.; Takah awa, H.; Takahiyawa, Y.; Jin-no, K.; Takah awa, H.; Takamiya, M.; Masuda, S.; Funahashi, T.; Tanaka, T.; Kudoh, Y.; Yamazaki, J.; Kana Res. 6, 83-101, 1999
A,Title: Complete genome sequence of an aerobic hyper-thermophilic Crenarchaeon, Aeropyr A,Reference number: A72450; MUID:99310339; PMID:10382966
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A,Residues: 1-136 «KAW»
A,Cross-references: UNIPROT:09Y9X1; UNIPARC:UPI000005E237; DDBJ:AP000063; NID:g5105654;
A,Experimental source: strain Kl
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C;Date: 20-Aug-1999 #sequence_revision 20-Aug-1999 #text_change 09-Jul-2004
                                                                                                                                                  Gaps
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Superfamily: Aeropyrum pernix hypothetical protein APE2168
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ribosomal protein L16 - Thermotoga maritima (strain MSB8)
                                                        Score 31; DB 1; I
Pred. No. 1.8e+02;
2; Mismatches 2;
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llarity 55.6%; Pred. No. 2e+02;
Conservative 1; Mismatches
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                                                            55.6%;
                                                                                                   Local Similarity 55.6
nes 5; Conservative
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RICRVILSR 134
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59 RAVVVRTCK 67
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Best Local Similarity
Matches 5; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A; Status: preliminary A; Molecule type: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Status: preliminary
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A,Gene: PA5120
                                                                Query Match
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A;Accession: H71950
A;Status: preliminary
A;Status: preliminary
A;Status: Draliminary
A;Residus: 1-290 <ARN>
A;Residus: 1,290 <ARN>
A;Residus: 1,200277
C;Superfamily: Helicobacter pylori hypothetical protein jhp0277
                                                                                                                                                                                                                                                                                                                                                                  0; Gaps
                                                                                                                                                                                                                                                                                                    Query Match
50.0%; Score 31; DB 2; Length 290;
Best Local Similarity 54.5%; Pred. No. 3.7e+02;
Matches 6; Conservative 2; Mismatches 3; Indels
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39 RLIQVAVIRDC 49
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Search completed: February 15, 2006, 11:10:59 Job time: 43 secs

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13, Appl 285, App 757, App 1357, Ap 8786, Ap 6350, Ap 8984, Ap 3458, Ap 111, App 71, Appl 71, Appl 71, Appl 577, App 4592, Ap 46, Appl 3196, Ap 940, App 11423, Ā 3236, Ap 9, Appli 42, Appl Appli Appl 1. No. is the number of results predicted by chance to have a re greater than or equal to the score of the result being printed, is derived by analysis of the total score distribution. ; Search time 18 Seconds (without alignments) 9.474 Million cell updates/sec Description seduence sed Sequence Sequence Sequence Sequence Sequence Sequence Published Applications AA New:*

1: /cgn2_6/ptodata/2/pubpaa/USO8_NEW_PUB.pep:*
2: /cgn2_6/ptodata/2/pubpaa/USO6_NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep:*
5: /cgn2_6/ptodata/2/pubpaa/NSO7_NEW_PUB.pep:*
6: /cgn2_6/ptodata/2/pubpaa/USIO_NEW_PUB.pep:*
7: /cgn2_6/ptodata/2/pubpaa/USIO_NEW_PUB.pep:*
8: /cgn2_6/ptodata/2/pubpaa/USIO_NEW_PUB.pep:* GenCore version 5.1.7 (c) 1993 - 2006 Biocceleration Ltd. US-10-653-340-9
US-11-066-783-42
US-11-0653-340-3
US-110-985-426-13
US-110-085-426-13
US-110-086-463-757
US-110-086-463-757
US-10-467-657-8786
US-10-467-657-8786
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US-11-072-512-2724
US-11-072-512-2724
US-10-657-3196
US-10-657-3196 hits satisfying chosen parameters: 107799 seqs, 14211699 residues SUMMARIES Minimum Match 0% Maximum Match 100% Listing first 100 summaries February 15, 2006, 11:22:16 sw model BLOSUM62 Gapop 10.0 , Gapext 0.5 ü using seq length: 0 seq length: 200000000 RLCRIVVIRVCR 12 US-10-657-851-37 62 В protein search, Length Copyright Query Match 0.000 Post-processing: 늉 Title: Perfect score: Scoring table: Score . rotal number and is Minimum DB e Maximum DB e Pred. OM protein .. Sequence: Searched: Database Run on: Result No.

1144, Appl 3148, Ap 961, App 254, App 8002, Ap 7, Appli 2, Appli 43, Appl 82, Appl 908, App 192, App 2681, Ap 1406, Ap 2779, Ap 134, Appl 134, Appl 134, Appl 2, Appli 758, App 2, Appli Appl App] 2, Appl 11247, 3148, 1650, sednence sed sedinence sedine Sequence Seq Sequence Seq Sedineuroe US-10-632-150-42 US-11-073-460-42 US-11-1073-460-42 US-11-132-864-5 US-11-132-864-30 US-11-132-864-30 US-11-132-864-30 US-11-132-864-30 US-11-132-864-30 US-11-073-450-48 US-11-073-450-48 US-11-073-450-48 US-11-073-450-48 US-11-072-130-3 US-11-072-130-3 US-11-1072-130-3 US-11-1072-130-3 US-11-1072-131-3 US-11-1072-131-3 US-11-1072-131-3 US-11-1072-131-3 US-11-1072-131-3 US-11-1072-131-3 US-11-1073-1650-3 US-11-1073-1650-3 US-11-1073-450-3 US-11-1073-450-3 US-11-1073-450-3 US-11-1073-450-3 US-11-1073-450-3 US-11-1073-450-3 US-11-1073-450-3 US-11-1073-450-3 US-11-1073-450-54 US-11-073-450-54 US-11-073-450-54 US-11-073-450-54 US-11-073-450-54 US-11-073-450-54 US-11-073-450-54 US-11-073-450-54 US-11-073-450-54 US-11-073-460-57-5978 US-11-098-686-11247 US-10-821-234-114
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US-10-453-372-774
US-11-212-443-86
US-11-072-33-33-10-453-37-2-60
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US-11-072-512-3710

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APPLICANT: Wood, Thomas K.

APPLICANT: Wood, Thomas K.

APPLICANT: Jayaraman, Arul

APPLICANT: To Regents of the University of California

APPLICANT: The Regents of the University of California

TITLE OF INVENTION: Inhibition of Sulfate-Reducing-Bacteria-Mediated

TITLE OF INVENTION: Degradation Using Bacteria Which Secrete Antimicrobials

FILE REFERENCE: 02307E-08951US

CURRENT APPLICATION NUMBER: US 09/282,277

PRIOR APPLICATION NUMBER: US 09/282,277

PRIOR APPLICATION NUMBER: US 09/282,277

PRIOR FILING DATE: 1998-05-06

NUMBER OF SEQ ID NOS: 9

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 3

LEASTH: 25

LEASTH: 25

LEASTH: 25

LEASTH: 25
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TITLE OF INVENTION: IRNA AGENTS WITH BIOCLEAVABLE TETHERS
FILE REFERENCE: 14174-099001
CURRENT PEPLICATION NUMBER: US/10/915,426
CURRENT PELLING DATE: 2004-011-09
PRIOR PELLING DATE: 2004-08-10
PRIOR PELLING DATE: 2004-08-10
PRIOR FILING DATE: 2004-04-16
PRIOR FILING DATE: 2003-04-25
PRIOR FILING DATE: 2003-04-25
PRIOR PILING DATE: 2003-04-17
PRIOR PILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: US 60/503,414
PRIOR PILING DATE: 2003-08-15
PRIOR APPLICATION NUMBER: US 60/503,414
PRIOR PILING DATE: 2003-08-11
PRIOR PILING DATE: 2003-08-15
PRIOR APPLICATION NUMBER: US 60/503,414
PRIOR PILING DATE: 2003-09-15
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Publication No. US20050256069A1
GENERAL INFORMATION:
APPLICANT: Manoharan, Muthiah
                                                                                                                                                        Sequence 3, Application US/10653340 Publication No. US20050250179A1 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
   1 RLCRIVVIRVCR 12
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US-10-985-426-13
                                                                                                                              US-10-653-340-3
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                                                                                                                                                                                                                                                         Sequence 9, Application US/10653340
; Sequence 9, Application US/20650250179A1
; Publication No. US20050250179A1
; GENERAL INFORMATION:
APPLICANT: Wood, Thomas K.
; APPLICANT: Barthman, James C.
; APPLICANT: The Regents of the University of California
APPLICANT: The Regents of the University of California
; APPLICANT: The Regents of the University of California
; TITLE OF INVENTION: Inhibition of Sulfate-Reducing-Bacteria-Mediated
; TITLE OF INVENTION: Degradation Using Bacteria Which Secrete Antimicrobials
; FILE REFRENCE: 02307B-085911US
; CURRENT APPLICATION NUMBER: US 09/282,277
; PRIOR FILING DATE: 1998-05-06
; CURRENT PRILING DATE: 1998-05-06
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIN Ver. 2.0
; SEQ ID NO 9
; LENGTH: 12
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   Sequence 332, App
Sequence 60, Appl
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; Publication No. US20050260715A1
; GENERAL INFORMATION:
APPLICANT: Burian, Jan
; APPLICANT: Bartfeld, Daniel
; TITLE OF INVENTION: EFFICIENT METHODS FOR PRODUCING
; TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDES IN HOST CELLS
; FILE REFERENCE: 660081.41
; CURRENT APPLICATION NUMBER: US/11/068,783
; CURRENT FILING DATE: 1999-11-19
; PRIOR FILING DATE: 1999-11-19
; NUMBER OF SEQ ID NOS: 113
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 42
: LENGTH: 12
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US-10-653-340-9
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US-11-082-389-332
US-10-763-712A-60
                                                                                                                              ALIGNMENTS
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ORGANISM: Artificial Sequence
   2 9
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Best Local Similarity
Matches 6; Conserv
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                                                                                                                                                                                                         Length 12;
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                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Wehrman, Tom
APPLICANT: Zhang, Jie
APPLICANT: Zhou, Ping
APPLICANT: Cao, Yi-Cheng
APPLICANT: Cao, Yi-Cheng
TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
FILE REFERENCE: 785CIP4CN
                                                                                                                                            ; OTHER INFORMATION: Exemplary Cell Permeation Peptides US-10-985-426-13
                                                                                                                                                                                                       Score 56; DB 6; Pred. No. 0.00085; 0; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 7;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILE REFERENCE: 785C1PACN
CURRENT PEDLICATION NUMBER: US/11/000,463
CURRENT FILING DATE: 2004-11-29
PRIOR APPLICATION NUMBER: U6/291,265
PRIOR FILING DATE: 2002-11-08
PRIOR FILING DATE: 2001-01-25
PRIOR FILING DATE: 2000-01-25
PRIOR FILING DATE: 2000-01-25
PRIOR FILING DATE: 2000-07-17
PRIOR FILING DATE: 2000-07-17
PRIOR FILING DATE: 2000-07-17
PRIOR FILING DATE: 2000-07-17
PRIOR FILING DATE: 2000-09-15
PRIOR FILING DATE: 2000-09-15
NUMBER OF SEQ ID NOS: 944
SEQ ID NO 285
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2; Mismatches
NUMBER OF SEQ ID NOS: 29
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13
LENGTH: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 285, Application US/11000463
Publication No. US20050266423A1
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US-11-000-463-757
; Sequence 757, Application US/11000463
                                                                                TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 60.0%;
                                                                                                                                                                                                     Query Match
Best Local Similarity 91.7%;
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Tang, Y Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Chen, Rui-hong
APPLICANT: Qian, Xiaohong B.
                                                                                                                                                                                                                                                                                        1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                                                                                    6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Wang, Zhiwei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-000-463-285
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APPLICANT: Labat, Ivan
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Stache-Crain, Susan
APPLICANT: Andarmani, Susan
APPLICANT: Tang, Y. Tom
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT FILING DATE: 2004-04-07
PRIOR PILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 1704
SOFTWARE: pt SEQ_genes Version 1.0
SEQ ID NO 1357
LENGTH: 405
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APPLICANT: Tang, Y Tom
APPLICANT: Liu, Chenghua
APPLICANT: Asundi, Vinod
APPLICANT: Chen, Kui-hong
APPLICANT: Chen, Kiachong B.
APPLICANT: Wehrman, Tom
APPLICANT: Zhou, Ping
APPLICANT: Zhou, Ping
APPLICANT: Zhou, Ping
APPLICANT: Cao, Yi-Cheng
APPLICANT: Drmanac, Radoje T.
TITLE OF INVENTION: Novel Nucleic Acids and Polypeptides
FILE REFERENCE: 78SCIP4CN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 35; DB 6; Length 405; Pred. No. 44;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 47;
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Pred. No. 5.1;
2; Mismatches
                                                                                                                                                                                                                                                                                                                                                       FILE REPERENCE: 785C1P4CN
CURRENT APPLICATION NUMBER: US/11/000,463
CURRENT FILING DATE: 2004-11-29
PRIOR APPLICATION NUMBER: US/21,265
PRIOR PILING DATE: 2002-11-08
PRIOR PILING DATE: 2001-01-25
PRIOR PILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: 09/922,279
PRIOR PILING DATE: 2001-01-25
PRIOR PILING DATE: 2000-03
PRIOR PILING DATE: 2000-03
PRIOR PILING DATE: 2000-07-17
PRIOR PILING DATE: 2000-07-17
PRIOR PILING DATE: 2000-07-17
PRIOR PILING DATE: 2000-07-17
PRIOR PILING DATE: 2000-03
PRIOR PILING DATE: 2000-08-03
PRIOR PILING DATE: 2000-09-15
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Sequence 1357, Application US/10821234
; Bublication No. US20050255114A1
; GENERAL INFORMATION:
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60.0%;
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CRGANISM: Homo sapiens
US-10-821-234-1357
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Best Local Similarity
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us-10-657-851-37.rapbn

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Gaps
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0
                                                                                                                               APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITUE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLBIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT PILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 8984
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 315;
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Pred. No. 28;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 53.2%; Score 33;
                              Sequence 8984, Application US/10467657 Publication No. US20050260581A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 11
0-11-072-512-3458
; Sequence 3458, Application US/11072512
; Publication No. US20060029945A1
                                                                                                                                                                                                                                                                                                                                                                                                           ) ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8984
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OTSUKI, TETSUJI
WAKAMATSU, AI
SATO, HIROYUKI
ISHII, SHIZUKO
YAMAMOTO, JUN-ICHI
ISONO, YUUKO
HIO, YUKI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTSUKA, KAORU
NAGAI, KEIICHI
IRIE, RYOTARO
TAMECHIKA, ICHIRO
SEKI, NAOHIKO
YOSHIKAMA, TSUTOMU
OTSUKA, MOTOVUKI
NAGAHARI, KENJI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     53.2%;
75.0%;
                                                                                               APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 3458
LENGTH: 315
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Best Local Similarity 75.0
Matches 6; Conservative
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; ORGANISM: Homo sapiens
US-11-072-512-3458
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75 RICRITVI 82
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                    JS-10-467-657-8984
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APPLICANT:
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APPLICANT:
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APPLICANT:
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APPLICANT:
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Pred. No. 25;
4; Mismatches 0; Indels
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  Indels
                                                                                                                                                                Sequence 8786, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON Maria Rita
APPLICANT: FONTANA Maria Rita
APPLICANT: FORZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTON: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 6550
  4,
  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 9786
LENGTH: 131
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Publication No. US20050260581A1
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; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8786
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Best Local Similarity 50.0%;
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
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Best Local Similarity 50.07
7; Conservative
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75 RICRVVLL--CR 84
                                                                             284 RLCRCPVAAVC 294
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  Matches
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Padigaru, Muralidhara
Kekuda, Ramesh
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Ellerman, Karen
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98 RLCVLILLGLC 108
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Best Local Similarity
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US-10-467-657-3236
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APPLICANT:
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APPLICANT:
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APPLICANT:
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Publication No. US20060009633A9
Publication No. US20060009633A9
Publication No. US20060009633A9
Publication No. US20060009633A9
APPLICANT: Edwards, Jean-Baptiste Dumas Milne
APPLICANT: Bougueleret, Aymeric
APPLICANT: Guuseleret, Lydie
APPLICANT: Clusel, Catherine
TITLE OF INVENTION: Complementary DNA's Encoding Proteins with Signal Peptides
FILE REFERENCE: 56.US4 CIP
CURRENT APPLICATION NUMBER: US/09/978,360A
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PRIOR APPLICATION NUMBER: US 60/066,677

PRIOR APPLICATION NUMBER: US 60/069,957

PRIOR PILING DATE: 1997-11-13

PRIOR PILING DATE: 1998-02-09

PRIOR APPLICATION NUMBER: US 60/091,563

PRIOR FILING DATE: 1998-04-13

PRIOR FILING DATE: 1998-04-13

PRIOR FILING DATE: 1998-04-13

PRIOR PILING DATE: 1998-08-10

PRIOR PILING DATE: 1998-10-10

PRIOR PILING DATE: 1998-10-10

PRIOR PILING DATE: 1998-12-17

PRIOR APPLICATION NUMBER: US 09/191,997

PRIOR PILING DATE: 1998-12-17

PRIOR APPLICATION NUMBER: US 09/215,435

PRIOR APPLICATION NUMBER: US 09/247,155

PRIOR PILING DATE: 1998-12-17

PRIOR PILING DATE: 1999-02-09

PRIOR FILING DATE: 1999-02-09
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Publication No. US2006024696A1
GENERAL INFORMATION:
APPLICANT: Kapur, Vivek and Gebhart, Connie J.
TITLE OF INVENTION: NUCLEIC ACID AND POLYPEPTIDE SEQUENCES
TITLE OF INVENTION: PROM LAWSONIA INTRACELLULARIS AND METHODS OF USING
PILE REFERENCE: 09531-128001
CURRENT APPLICATION NUMBER: US/11/098,686
                            Gaps
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                            4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2; Indels
  Pred. No. 76;
2; Mismatches
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Best Local Similarity 45.5%;
Matches 5; Conservative
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Best Local Similarity 45.5
Matches 5; Conservative
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106 RLCYLVATEIC 116
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124 LLQLLMIRACR 134
                                                                   1 RLCRIVVIRVC 11
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SOFTWARE: Patent.pm
SEQ ID NO 744
LENGTH: 136
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; LOCATION: -34..-1
US-09-978-360A-744
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US-11-098-686-11423
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APPLICANT: CHIRON SpA
APPLICANT: CHIRON SpA
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNAI Vega
APPLICANT: MASIGNAI Vega
APPLICANT: MOMACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR PLING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqMin99, version 1.04
SEQ ID NO 3236
LENGTH: 308
                                                                                                                                                                                                                                                                Length 236;
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                                                                                                                                                                                                                                                              Score 31; DB 7; Length 236
Pred. No. 1.3e+02;
5; Mismatches 2; Indels
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Pred. No. 1.6e+02;
2; Mismatches 4,
CURRENT FILING DATE: 2005-04-04

PRIOR APPLICATION NUMBER: PCT/US03/31318

PRIOR FILING DATE: 2003-10-01

PRIOR PILING DATE: 2003-10-04

NUMBER OF SEQ ID NOS: 11433

SOFTWARE: PBELSEQ for Windows Version 4.0

LENGTH: 236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 3236, Application US/10467657; Publication No. US20050260581A1; GENERAL INFORMATION:
                                                                                                                                                                                 ; TYPE: PRT
; ORGANISM: Lawsonia intracellularis
US-11-098-686-11423
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-877-346-46
Sequence 46, Application US/10877346; Publication No. US20060014153A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Grosse, William M
Alsobrook II, John P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lepley, Denise M
Burgess, Catherine E
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APPLICANT: MacDougall, John R
APPLICANT: Smithson, Glennda
APPLICANT: Millet, Isabelle
APPLICANT: Stone, David
                                                                                                                                                                                                                                                              50.0%;
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Best Local Similarity 36.4
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APPLICANT: Dagano, M. APPLICANT: Pagano, M. APPLICANT: Latres, E. TITLE OPE INVENTION: NOVEL UBIQUITIN LIGASES AS THERAPEUTIC TARGETS FILE REFERENCE: 5914-081
CURRENT APPLICATION NUMBER: US/10/632,150
CURRENT APPLICATION NUMBER: US/09/385,219
PRIOR APPLICATION NUMBER: 08/09/385,219
PRIOR PILING DATE: 1999-08-27
PRIOR FILING DATE: 1999-08-27
PRIOR FILING DATE: 1999-02-03
PRIOR PILING DATE: 1999-02-03
PRIOR APPLICATION NUMBER: 60/118,568
PRIOR APPLICATION NUMBER: 60/124,449
PRIOR PILING DATE: 1999-03-15
NUMBER OF SEQ ID NOS: 90
SOFTWARE PATENTIN VET: 2.0
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                                                                                              TITLE OF INVENTION: Proteins and Nucleic Acids Encoding Same FILE REFERENCE: 21402-235
CURRENT APPLICATION NUMBER: US/11/019,711
CURRENT FILING DATE: 2004-12-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
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                                                                                                                                                                                                             PRIOR PELING DATE: 2002-12-21
PRIOR PLING DATE: 2002-09-20
PRIOR PELING DATE: 2002-09-20
PRIOR PLING DATE: 2001-01-05
PRIOR PLING DATE: 2001-01-05
PRIOR PLING DATE: 2001-01-05
PRIOR PLING DATE: 2001-01-08
PRIOR PLING DATE: 2001-02-28
PRIOR PLING DATE: 2001-02-28
PRIOR PLING DATE: 2001-02-28
PRIOR PLING DATE: 2001-03-02
PRIOR PLING DATE: 2001-03-02
PRIOR PLING DATE: 2001-03-02
PRIOR PLING DATE: 2001-03-02
PRIOR PLING DATE: 2001-03-05
PRIOR PLING DATE: 2001-03-05
PRIOR PLING DATE: 2001-07-05
PRIOR PLING DATE: 2001-07-05
PRIOR PLING DATE: 2001-07-05
PRIOR PLING DATE: 2001-07-05
PRIOR PLING DATE: 2001-03-05
PRIOR PLING DATE: 2001-03-10
PRIOR PLING DATE: 2001-03-10
PRIOR PLING DATE: 2001-03-10
PRIOR PLING DATE: 2001-03-10
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; Publication No. US20050251871A1
; GENERAL INFORMATION:
; APPLICANT: Chiaur, D.
            Taupier Jr, Raymond J
Miller, Charles E
Eisen, Andrew J
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 62.5
-hea 5; Conservative
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ORGANISM: Homo sapiens
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261 LVTLRVCR 268
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APPLICANT: Spytek, Kimberly A
APPLICANT: Leach, Martin D
APPLICANT: Leach, Martin D
APPLICANT: Shimkets, Richard A
TITLE OF INTERNATION: Novel Proteins and Nucleic Acids Encoding Same
FILE REFERENCE: 21402-124
CURRENT APPLICATION NUMBER: US/10/877,346
CURRENT APPLICATION NUMBER: 05/09/964,956
PRIOR APPLICATION NUMBER: 60/235,631
PRIOR APPLICATION NUMBER: 60/235,631
PRIOR APPLICATION NUMBER: 60/235,631
PRIOR APPLICATION NUMBER: 60/235,632
PRIOR APPLICATION NUMBER: 60/235,636
PRIOR APPLICATION NUMBER: 60/235,064
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PLING DATE: 2000-10-03
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 111, Application US/11019711 Publication No. US20060009634A1 GENERAL INFORMATION:
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Guo, Xiaojia
Shenoy, Suresh G
Anderson, David W
Padigaru, Muralidhara
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APPLICANT: Alsobrook II, John P
APPLICANT: Tchernev, Velizar T
APPLICANT: Liu, Xiaohong
APPLICANT: Spytek, Kimberly A
APPLICANT: Patturajan, Meera
APPLICANT: Grosse, William M
APPLICANT: Lepley, Denise M
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Vernet, Corine A.M.
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Malyankar, Uriel M
Rothenberg, Mark
Stone, David J
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Edinger, Shlomit R
Sciore, Paul
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NUMBER OF SEQ ID NOS: 127
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 46
LENGTH 593
TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    565 LCECVCVHVC 574
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APPLICANT: SAGNULA A.

APPLICANT: Wang, Ajjun
APPLICANT: Skeiky, Yasir A.

APPLICANT: Skeiky, Yasir A.

TITLE OF INVENTION: PROSTATE-SPECIFIC POLYPEPTIDES AND FUSION
TITLE OF INVENTION: PLANDER: US 11/234,786

FILE REFERENCE: 210121.427631
FILE REPERENCE: 2005-09-23
FRICH APPLICATION NUMBER: US 09/568,857
FRICH APPLICATION NUMBER: US 09/536,857
FRICH APPLICATION NUMBER: US 09/483,672
FRICH APPLICATION NUMBER: US 09/483,672
FRICH RILING DATE: 2000-01-17
FRICH RILING DATE: 2000-01-13
FRICH RILING DATE: 1999-11-12
FRICH APPLICATION NUMBER: US 09/483,616
FRICH APPLICATION NUMBER: US 09/286,946
FRICH APPLICATION NUMBER: US 09/282,149
FRICH RILING DATE: 1999-01-15
FRICH RILING DATE: 1999-01-15
FRICH APPLICATION NUMBER: US 09/232,149
FRICH RILING DATE: 1999-01-15
FRICH APPLICATION NUMBER: US 09/115,453
FRICH APPLICATION NUMBER: US 09/115,453
FRICH APPLICATION NUMBER: US 09/115,453
FRICH RILING DATE: 1998-02-25
FRICH RILING DATE: 1998-02-25
FRICH RILING DATE: 1998-02-25
FRICH RILING DATE: 1998-02-25
FRICH APPLICATION NUMBER: US 09/115,453
FRICH RILING DATE: 1998-02-25
FRICH RILING DATE: 1998-02-25
FRICH RILING DATE: 1998-02-25
FRICH RILING DATE: 1998-02-25
FRICH APPLICATION NUMBER: US 09/2030,607
FRICH RILING DATE: 1998-02-25
FRICH APPLICATION NUMBER: US 09/030,607
FRICH APPLICATION NUMBER: US 09/030,007
FRICH APPLICATION NUMBER: PARABER PARABE
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57;
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Pred. No.
                              Sequence 577, Application US/11234786
Publication No. US20060024301A1
GENERAL INFORMATION:
APPLICANT: Xu, Jiangchun
APPLICANT: Dillon, Davin C.
APPLICANT: Mitcham, Jennifer L.
APPLICANT: Harlocker, Susan L.
APPLICANT: Jiang, Yudiu
APPLICANT: Jiang, Yudiu
APPLICANT: Stack Steven G.
APPLICANT: Kalos, Michael D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 4592, Application US/10467657; Publication No. US20050260581A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                        Fanger, Gary R.
Retter, Marc W.
Stolk, John A.
Day, Craig H.
Vedvick, Thomas S.
Carter, Darrick
Li, Samuel X.
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APPLICANT: FONTANA Maria Rita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 30.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Homo sapiens
US-11-234-786-577
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TITLE OF INVENTION: METHODS TO IDENTIFY COMPOUNDS USEFUL FOR THE TREATMENT OF PROLIFE
TITLE OF INVENTION: AND DIFFERENTIATIVE DISORDERS
FILE REFERENCE: 5914-090-999
CURRENT PAPLICATION NUMBER: US/11/073,460
CURRENT APPLICATION NUMBER: US/11/073,460
PRIOR PILING DATE: 2005-01-07
PRIOR FILING DATE: 2005-01-07
PRIOR FILING DATE: 2001-01-05
NUMBER OF SEQ ID NOS: 92
SOFTWARE: Patentin Ver. 2.0
SECTION 071
                                                                                                                                                                                                                                                                                                                                                               APPLICANT: PEGATO, M.
TITLE OF INVENTION: METHODS TO IDENTIFY COMPOUNDS USEFUL FOR THE TREATMENT OF PROLIFE
TITLE OF INVENTION: METHODS TO IDENTIFY COMPOUNDS USEFUL FOR THE TREATMENT OF PROLIFE
TITLE OF INVENTION: MAND DIFFERENTIATIVE DISORDERS
FILE REFERENCE: 5914-090-93-04
CURRENT APPLICATION NUMBER: US/11/073,457
CURRENT FILING DATE: 2005-03-04
PRIOR PELLOR DATE: 2005-01-07
PRIOR PELLOR DATE: 2001-01-07
PRIOR PELLOR DATE: 2001-01-07
PRIOR PELLOR DATE: 2001-01-07
SEQ ID NOS: 92
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 71
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                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 30; DB 7; Length 39;
Pred. No. 42;
1; Mismatches 2; Indels
                                    Indels
      Pred. No. 42;
1; Mismatches
                                                                                                                                                                                                                                                                                      Sequence 71, Application US/11073457
Publication No. US20050260556A1
GENERAL INFORMATION:
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; Publication No. US20050272066A1
; GENERAL INFORMATION:
Best Local Similarity 58.3%;
Matches 7; Conservative 1
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58.3%;
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Best Local Similarity 58.3
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 58.3
Matches 7; Conservative
                                                                                                                                            17 OLCRCA--RVCR 26
                                                                                     1 RLCRIVVIRVCR 12
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QLCRCA--RVCR 26
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ORGANISM: Homo sapiens
US-11-073-457-71
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Sequence 46, Application US/10508263
Publication No. US20050260754A1
GENERAL INFORMATION:
APPLICANT: BASF Plant Science GmbH
TITLE OF INVENTION: Constructs and methods for regulating gene expression
FILE REPERENCE: 53262-20085.00
CURRENT APPLICATION NUMBER: US/10/508,263
CURRENT FILING DATE: 2004-09-20
NUMBER OF SEQ ID NOS: 126
SOFTWARE: PatentIn Ver. 2.1
ENGTH: 178
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Publication No. US2050255114A1
GENERAL INFORMATION:
APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Tang, Y. Tom
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
PILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT APPLICATION NUMBER: US/60/462,047
PRIOR APPLICATION NUMBER: US/60/462,047
PRIOR FILING DATE: 2003-04-07
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APPLICANT: CHIRON SpA

APPLICANT: FONTANA Maria Rita

APPLICANT: FONTANA Maria Rita

APPLICANT: BIZA Mariagrazia

APPLICANT: MASIGNANI Vega

APPLICANT: MASIGNANI Vega

APPLICANT: MONACI Elisabetta

TILLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS

FILE REFERENCE:

CURRENT APPLICATION NUMBER: US/10/467,657

CURRENT FILING DATE: 2003-08-11

PRIOR APPLICATION NUMBER: GB-0103424.8

PRIOR PILING DATE: 2001-02-12

NUMBER OF SEQ ID NOS: 9218

SOFTWARE: SeqWin99, version 1.04
                                                                                                                                                                                                                                                                                                                                                    Score 30; DB 6; Length 178; Pred. No. 1.5e+02; 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         48.4%; Score 30; DB 6; Length 252; 50.0%; Pred. No. 2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 3196, Application US/10467657; Publication No. US20050260581A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             , ORGANISM: Neisseria gonorrhoeae
US-10-467-657-3196
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Best Local Similarity 45.5
Matches 5; Conservative
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157 RVCNIPQVSVC 167
                                                                                                                                                                                                                                                                                      ; ORGANISM: Brassica nigra
US-10-508-263-46
                                                                                                                                                                                                                                                                                                                                                                                                                                              1 RECRIVOTRVC 11
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213 RMCELVGLRV 222
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US-10-821-234-940
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LENGTH: 252
                                                                                                                                                                                                                                                                        TYPE: PRT
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45.5%; Pred. No. 1e+02;
tive 3; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                            Score 30; DB 6; Length 99;
Pred. No. 90;
4; Mismatches 1; Indels
             TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: OTSUKA, MOTOYUKI
APPLICANT: NAGAHARI, KENUI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: Novel full length cDNA
FILE REFERENCE: 084335-0191
CURRENT APPLICATION NUMBER: US/11/072,512
CURRENT FILING DATE: 2005-03-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: US 60/350,978
PRIOR FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: UP 2001-379298
PRIOR APPLICATION NUMBER: UP 2001-379298
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: Patentin Ver. 2.1
LENGTH: 117
                                               CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 4592
LENGTH: 99
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US-11-072-512-2724
; Sequence 2724, Application US/11072512
; Publication No. US20060029945A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              GENERAL INFORMATION:
APPLICANT: ISCARI, TAKAO
APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTSUKI, TETSUJI
APPLICANT: WARAMATSU, AI
APPLICANT: SATO, HIROYUKI
APPLICANT: ISHII, SHIZUKO
APPLICANT: YAMAMOTO, JUN-ICHI
APPLICANT: YAMAMOTO, JUN-ICHI
APPLICANT: HISONO, YUNKO
APPLICANT: HIO, YURI
                                                                                                                                                                                                                                                  ; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-4592
                                                                                                                                                                                                                                                                                                                48.48;
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                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 44.9
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NAGAI, KEIICHI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 RLCRIVVIRVC 11
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20 RLIMARVCK 28
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Best Local Similarity
Matches 5; Conserv
                                   FILE REFERENCE:
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US-10-508-263-46
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RESULT 28
US-11-073-460-42
Sequence 42, Application US/11073460
; Sequence 42, Application No. US20050272066A1
; GENERAL INFORMATION:
; PUblication No. US20050272066A1
; GENERAL INFORMATION:
; APPLICANT: Pagano, M.
; TITLE OF INVENTION: AND DIFFERENTIATIVE DISORDERS
; TITLE OF INVENTION: AND DIFFERENTIATIVE DISORDERS
; FILE REFERENCE: 5914-090-999
; CURRENT APPLICATION NUMBER: 10/042,417
; PRIOR APPLICATION NUMBER: 10/042,417
; PRIOR APPLICATION NUMBER: 60/260,179
; PRIOR FILING DATE: 2001-01-05
; NUMBER OF SEQ ID NOS: 92
; SOFTWARE PAGENTIAN OF SEQ ID NOS: 92
; SOFTWARE PAGENTIAN OF SEQ ID NOS: 92
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Pred. No. 2.4e+02;
1; Mismatches 2; Indels
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| Sequence 2, Application US/11132864
| Publication No. US20050289670A1
| GENERAL INFORMATION:
| APPLICANT: Jintul Shi
| APPLICANT: David Ertl
| APPLICANT: Lisa Hagen
| APPLICANT: Lisa Hagen
| APPLICANT: Lisa Hagen
| TITLE OF INVENTION: Polymuclectides and Methods of Use
| TITLE OF INVENTION: Polymuclectides and Methods of Use
| TITLE OF INVENTION: Polymuclectides and Methods of Use
| TITLE OF INVENTION: Polymuclectides and Methods of Use
| TITLE OF INVENTION: Polymuclectides and Methods of Use
| TITLE OF INVENTION: DOS-05-19
| FILE REFRENCE: 035718/291638
| CURRENT APPLICATION NUMBER: 06/573,000
| PRIOR FILLING DATE: 2004-05-20
| PRIOR FILLING DATE: 2004-05-30
| NUMBER OF SEQ. ID NOS: 48
| SOFTWARE: FASTED FOR WINDOWS Version 4.0
| SEQ ID NO 2.
                                                                                             Length 318;
                                                                                             Score 30; DB 7; 1
Pred. No. 2.4e+02;
1; Mismatches 2
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58.3%;
                                                                                             Query Match
Best Local Similarity 58.3%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 58...
7; Conservative
                                                                                                                                                                                                                                    159 RACRYVVL--CR 168
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                                                                                                                                                                                        1 RLCRIVVIRVCR 12
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                        , ORGANISM: Homo sapiens
US-11-073-457-42
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TYPE: PRT
ORGANISM: Homo sapiens
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TYPE: PRT
ORGANISM: Zea mays
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TYPE: PRT
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US-11-073-457-42
i Sequence 42, Application US/11073457
i Publication No. US20050260556A1
i GENERAL INFORMATION:
    APPLICANT: PROGNATION:
    TITLE OF INVENTION: MATHODS TO IDENTIFY COMPOUNDS USFUL FOR THE TREATMENT OF PROLIFE
    TITLE OF INVENTION: AND DIFFERENTIATIVE DISORDERS
    FILE REFERENCE: 5914-090-999
    CURRENT APPLICATION NUMBER: US/11/073,457
    CURRENT FILING DATE: 2005-01-07
    PRIOR PRILING DATE: 2005-01-07
    PRIOR PRILING DATE: 2001-01-05
    NUMBER OF SEQ ID NOS: 92
    SOFTWARE: PATENTING DATE: 2001-01-05
    NUMBER OF SEQ ID NOS: 92
    SOFTWARE: PATENTING DATE: 2.0
    SEQ ID NO 42
    LENGTH: 318
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Sequence 42, Application NS/10632150

Publication No. US20050251871A1

GENERAL INFORMATION:

APPLICANT: Chiaur, D.

APPLICANT: Latres, E.

TILLE OF INVENTION: NOVEL UBIQUITIN LIGASES AS THERAPEUTIC TARGETS

FILE REFERENCE: 5914-049

FILE REFERENCE: 5914-049

FRIOR PELING DATE: 1099-03-17

PRIOR PLING DATE: 1099-03-15

PRIOR APPLICATION NUMBER: 60/098,355

PRIOR PLING DATE: 1099-03-15

PRIOR APPLICATION NUMBER: 60/118,568

PRIOR PLING DATE: 1099-03-15

PRIOR PLING DATE: 1099-03-15

PRIOR PLING DATE: 1099-03-15

NUMBER OF SEQ ID NOS: 90

SOFTWARE: Patentin Ver: 2.0

SEG ID NO 42

LENGTH: 11
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Best Local Similarity 55.6%; Pred. No. 2.2e+02;
Matches 5; Conservative 3; Mismatches 1.
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                   SOFTWARE: pt.SEQ_genes Version 1.0
SEQ_ID_NO_940
LENGTH: 286
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Matches 7; Conservative
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  NUMBER OF SEQ ID NOS: 1704
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254 LCRLVINRL 262
                                                                                             TYPE: PRT; ORGANISM: Homo sapiens
US-10-821-234-940
                                                                                                                                                                                                                                                                                   2 LCRIVVIRV 10
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; ORGANISM: Homo sapiens
US-10-632-150-42
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US-10-632-150-42
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Sequence 28, Application US/11132864

Publication No. US20050289670A1

GENERAL INFORMATION:

APPLICANT: Jinth Shi

APPLICANT: David Ettl

CURRENT FILING DATE: 2006-05-19

PRIOR PILING DATE: 2004-05-20

NUMBER OF SEQ ID NOS: 48

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 28

LANDER: David APPLICANT 
Sequence 41, Application US/11132864
Publication No. US20050289670A1
GENERAL INFORMATION:
APPLICANT: Jinut Shi
APPLICANT: Lisa Hagen
APPLICANT: Lisa Hagen
APPLICANT: Lisa Hagen
APPLICANT: HOWING Bril
APPLICANT: HORDIN Plant Myo-Inositol Kinase
TITLE OF INVENTION: Polymucleotides and Methods of Use
TITLE REFERENCE: 035718/291638
CURRENT APPLICATION NUMBER: US/11/132,864
CURRENT APPLICATION NUMBER: 60/573,000
PRIOR FILING DATE: 2004-05-20
NUMBER OF SEQ ID NOS: 48
SEQ ID NOS: 48
SEQ ID NO 41
LENGTH: 388
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48.4%; Score 30; DB 7; I
Best Local Similarity 62.5%; Pred. No. 2.9e+02;
Matches 5; Conservative 2; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; NAME/KEY: VARIANT; LOCATION: (0)...(0); OTHER INFORMATION: Xaa can be any amino acid US-11-132-864-41
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OTHER INFORMATION: Consensus sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 62.5
Matches 5; Conservative
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US-11-132-864-28
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179 RLCRAVLV 186
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US-11-132-864-28
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                                                                                                                                                                                                                                                                                                                                                                                                                                  ; GAREKAL INFORMATION:
; APPLICANT: Jinnii Shi
; APPLICANT: Jinnii Shi
; APPLICANT: Lisa Hagen
; APPLICANT: Lisa Hagen
; APPLICANT: Lisa Hagen
; TITLE OF INVENTION: Plant Myo-Inositol Kinase
; TITLE OF INVENTION: Plant Myo-Inositol Kinase
; TITLE OF INVENTION: Polymucleotides and Methods of Use
; FILE REFERENCE: 035718/291638
; CURRENT APPLICATION NUMBER: US/11/132,864
; CURRENT FILING DATE: 2005-05-19
; PRIOR FILING DATE: 2004-05-20
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 379
; TYPE: PRI
; ORGANISM: Zea mays
US-11-132-864-6
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| Publication No. US20050289670A1
| CENERAL INFORMATION:
| APPLICANT: Jinch: Shi
| APPLICANT: Lisa Hagen
| APPLICANT: Lisa Hagen
| TITLE OF INVENTION: Plant Myo-Inositol Kinase
| TITLE OF INVENTION: Polymclectides and Methods of Use
| TITLE OF INVENTION: Polymclectides and Methods of Use
| TITLE OF INVENTION: Polymclectides and Methods of Use
| TITLE OF INVENTION: Polymclectides and Methods of Use
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| TITLE OF INVENTION: Polymclectides and Methods of Use
| TITLE OF INVENTION: Polymclectides an
                                                                                                                                                                                                                                                                                                                     Sequence 6, Application US/11132864; Publication No. US20050289670A1; GENERAL INFORMATION:
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Best Local Similarity 62.5
Matches 5; Conservative
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Best Local Similarity 62.5
Matches 5; Conservative
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US-11-132-864-41
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US-11-132-864-6
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Pred. No. 3.9e+02;
4; Mismatches 0; Indels
TITLE OF INVENTION: AND DIFFERENTIATIVE DISORDERS;
FILE REFERENCE: 5914-090-999;
CURRENT APPLICATION NUMBER: US/11/073,460
CURRENT FILING DATE: 2005-03-04
PRIOR APPLICATION NUMBER: 10/042,417
PRIOR APPLICATION NUMBER: 00/260,179
PRIOR APPLICATION NUMBER: 60/260,179
PRIOR APPLICATION NUMBER: 2001-05
NUMBER OF SEQ ID NOS: 92
SOTTWARE: PATENTIN Ver. 2.0
SEQ ID NO 483
                                                                                                                                                                                                                                                                                                                                            48.4%; Score 30; DB 7; 58.3%; Pred. No. 3.4e+02; iive 1; Mismatches 2
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APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: OFSUKA, MOTOYUKI
APPLICANT: NAGAHARI, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL full length CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILE REFERENCE: 084335-0191
CURRENT APPLICATION NUMBER: US/11/072,512
CURRENT FILING DATE: 2005-03-07
PRIOR APPLICATION NUMBER: US 60/350,978
PRIOR FILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: UP 2001-379298
PRIOR FILING DATE: 2001-11-05
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3148, Application US/11072512
Publication No. US20060029945A1
GENERAL INPORMATION:
APPLICANT: ISOGAI, TAKAO
APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTSUKI, TETSUJI
APPLICANT: WAKAMATSU, AI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              SATO, HIROYUKI
ISHII, SHIZUKO
YAMAMOTO, JUN-ICHI
ISONO, YUUKO
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Best Local Similarity 58.3
Matches 7; Conservative
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OTSUKA, KAORU
NAGAI, KEIICHI
IRIE, RYOTARO
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SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 3148
LENGTH: 577
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Best Local Similarity 50.0
Matches 4; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                    1 RLCRIVVIRVCR 12
                                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Homo sapiens
US-11-073-460-48
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US-11-072-512-3148
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APPLICANT:
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APPLICANT:
APPLICANT:
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TITLE OF INVENTION: METHODS TO IDENTIFY COMPOUNDS USEFUL FOR THE TREATMENT OF PROLIFE
FILE REPERENCE: 5914-090-999
CURRENT APPLICATION NUMBER: US/11/073,457
CURRENT PILING DATE: 2005-01-07
PRIOR APPLICATION NUMBER: 10/042,417
PRIOR APPLICATION NUMBER: 60/260,179
PRIOR FILING DATE: 2002-01-05
NUMBER OF SEQ ID NOS: 92
SOFTWARE: PATENTIN VET. 2.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Pagano, M. TITLE OF INVENTION: METHODS TO IDENTIFY COMPOUNDS USEFUL FOR THE TREATMENT OF PROLIFE
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                   GENERAL INFORMATION:
APPLICANT: Chiaur, D.
APPLICANT: Chiaur, D.
APPLICANT: Latres, B.
TITLE OF INVENTION: NOVEL UBIQUITIN LIGASES AS THERAPEUTIC TARGETS
FILE REPERENCE: 591-081
CURRENT APPLICATION NUMBER: US/10/632,150
CURRENT FILING DATE: 2003-07-30
PRIOR PELING DATE: 1999-08-27
PRIOR APPLICATION NUMBER: US/09/385,219
PRIOR FILING DATE: 1999-08-27
PRIOR PELING DATE: 1999-08-28
PRIOR FILING DATE: 1999-03-18
PRIOR FILING DATE: 1999-03-18
PRIOR FILING DATE: 1999-03-15
PRIOR FILING DATE: 1999-03-15
NUMBER OF SEQ ID NOS: 90
SOFTWARE: PATENTIN VET: 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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Pred. No. 3.4e+02;
1; Mismatches 2; Indels
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Pred. No. 3.4e+02;
1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    s-11-073-457-48
Sequence 48, Application US/11073457
Publication No. US20050260556A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 48, Application US/11073460; Publication No. US20050272066A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 58.3%;
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 58.3%;
Matches 7; Conservative 1
      Publication No. US20050251871A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   125 QĽĊŘCA--ŘÝĆŘ 134
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: PRT
ORGANISM: Homo sapiens
US-11-073-457-48
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 783;
                                                                                                                                                                                                                                                                                                                                                                                                                 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2; Indels
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR PELLING DATE: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SECTIMARE: SeqWin99, version 1.04
SEQ ID NO 8002
LENGTH: 112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: 15. inch, 1.44 Mb floppy disk COMPUTER: 15. inch, 1.44 Mb floppy disk COMPUTER: 15. inch, 1.44 Mb floppy disk COMPUTER: 18M PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS SOFTWARE: Windatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/192,219
FILING DATE: 27-Jul-2005
CLASSIFICATION BATA:
APPLICATION DATA:
APPLICATION NUMBER: US/08/667,197
FILING DATE: 20-Jun-1996
APPLICATION NUMBER: 08/585005
FILING DATE: 08-Jan-96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 29.5; DB 7;
Pred. No. 6.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 7, Application US/11192219
Publication No. US20050272656A1
GENERAL INFORMATION:
APPLICANT: Matthews, William
TITLE OF INVENTION: USES FOR WSX LIGANDS
NUMBER OF SEQUENCES: 47
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                 Query Match
47.6%; Score 29.5; D
Best Local Similarity 34.8%; Pred. No. 1.2e
Matches 8; Conservative 1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TOPOLOGY: Linear SEQUENCE DESCRIPTION: SEQ ID NO: 7: US-11-192-219-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: Lee, Wendy M.
REGISTRATION NUMBER: P-40,378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 RLCRIVV-----IRVCR 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELECOMMUNICATION INFORMATION:
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INFORMATION FOR SEQ ID NO: 7:
SEQUENCE CHARACTERISTICS:
LENGTH: 783 amino acids
TYPE: Amino Acid
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                                                                                                                                                                                                                                                                        ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-8002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TELEFAX: 415/952-9881
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Best Local Similarity 50.0%;
Matches 6; Conservative
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COUNTRY: USA
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TITLE OF INVENTION: IDENTIFICATION OF GENES FOR PREDICTING ACTIVITY OF COMPOUNDS THAT
TITLE OF INVENTION: INTERACT WITH AND/OR MODULATE PROTEIN TYROSINE KINASES AND/OR
TITLE OF INVENTION: PROTEIN TYROSINE KINASE PATHWAYS IN BREAST CELLS
FILE REFERENCE: D0273A CIP
CURRENT PAPLICATION UNMBER: US/11/072,175
CURRENT FILING DATE: 2005-03-05
PRIOR APPLICATION NUMBER: US (0/406,385
PRIOR APPLICATION NUMBER: US 10/648,593
PRIOR PAPLICATION NUMBER: US 10/648,593
PRIOR FILING DATE: 2003-08-26
NUMBER OF SEQ ID NOS: 571
SEQ ID NO 254
LENGTH: 822
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APPLICANT: Labat, Ivan
APPLICANT: Stache-Crain, Birgit
APPLICANT: Andarmani, Susan
APPLICANT: Andarmani, Susan
APPLICANT: Tang, Y. Tom
TILLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT FILING DATE: 2004-04-07
RIOR APPLICATION NUMBER: US 60/462,047
RIOR PALING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 1704
SEQ ID NO 961
LENGTH: 637
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Pred. No. 5.3e+02;
3; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; Sequence 254, Application US/11072175; Publication No. US20060029944A1; GENERAL INFORMATION:
                        ; Sequence 961, Application US/10821234; Publication No. US20050255114A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 40.0%;
Matches 4; Conservative
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APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 75.0
Matches 6; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     391 CMVVTVILCR 400
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Homo sapiens
US-10-821-234-961
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US-11-072-175-254
       JS-10-821-234-961
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APPLICANT: Tartaglia, Louis A.
APPLICANT: Tepper, Robert I.
APPLICANT: Tepper, Janice A.
APPLICANT: Culpepper, Janice A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DIAGNOSIS AND METHODS FOR
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,
TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA
NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
STREET: 225 Franklin Street
                                                                                                          Gaps
                                                                                                          ;
    Score 29.5; DB 7; Length 894; Pred. No. 6.8e+02; 3; Mismatches 2; Indels
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COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows95
SOCTWARE: FastESD for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/202,330
FILING DATE: 11-AUG-2005
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/950,149
FILING DATE: 10-Sep-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/978,123
FILING DATE: 03-SEP-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 22-JAN-1996
APPLICATION NUMBER: US 08/59,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 1-DEC-1995
APPLICATION NUMBER: US 08/56,485
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,633
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,633
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,622
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,633
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,633
FILING DATE: 08-DEC-1995
APPLICATION NUMBER: US 08/56,663
FILING DATE: 08-DEC-19
                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 43
US-11-202-330-43
; Sequence 43, Application US/11202330
; Publication No. US20060029964A1
; GENERAL INFORMATION;
http://doi.org/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.10000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.1000/10.10000/10.10000/1
         47.6%;
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Query Match
Best Local Similarity 50.0
Matches 6; Conservative
                                                                                                                                                                                                                                                  601 LCAVYVVQVRCR 612
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TELEX: 200154
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                        2 LCRIVVIRV-CR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ZIP: 02110-2804
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TOPOLOGY: unknown
MOLECULE TYPE: protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 S
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COUNTRY:
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                                                                                                                                                                                                                                                                                                                                          Generic 2. Application US/11202330
Publication No. US2006002964A1
GENERAL INFORMATION:
APPLICANT: Tartaglia, Louis A.
APPLICANT: White, David W.
TITLE OF INVENTION: THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS, TITLE OF INVENTION: INCLUDING OBESITY AND CACHEXIA NUMBER OF SEQUENCES: 50
CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish & Richardson, P.C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: US

ZIP: 02110-2804

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/11/202,330
FILING DATE: 110-Sep-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/950,149
FILING DATE: 10-Sep-2001
PRIOR APPLICATION NUMBER: US/09/950,149
FILING DATE: cunknown > APPLICATION NUMBER: US/08/99,781
FILING DATE: cunknown > APPLICATION NUMBER: US/08/99,455
FILING DATE: 26-APR-1996
APPLICATION NUMBER: US/08/59,455
FILING DATE: 22-AN-1996
APPLICATION NUMBER: US/08/59,455
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: US/08/59,465
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: US/08/59,485
FILING DATE: 28-DEC-1995
APPLICATION NUMBER: US/08/56,622
APPLICATION NUMBER: US/08/56,632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Fish & Richardson, P.C. STREET: 225 Franklin Street CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEPHONE: (617) 542-5070 TELEFAX: (617) 542-8906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 894 amino acids TYPE: amino acid
                                                                                                     || : |::| ||
601 LCAVYVVQVRCR 612
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                2 LCRIVVIRV-CR 12
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; FRAGMENT TYPE: internal
US-11-202-330-2
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                                                                                                                                                                                                    46.8%; Score 29; DB 7; Length 83; 83.3%; Pred. No. 1.1e+02;
            Score 29; DB 6; Length 83;
Pred. No. 1.1e+02;
1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 2681, Application US/11072512
Publication No. US20060029945A1
GENERAL INFORMATION:
APPLICANT: ISOGAI, TAKAO
APPLICANT: SUGITAMA, TOMOYASU
APPLICANT: OUTSURI, TETSUJI
APPLICANT: WAKAMATSU, AI
APPLICANT: STATO, HIROYUKI
APPLICANT: STATO, HIROYUKI
APPLICANT: STATO, HIROYUKI
APPLICANT: STATO, HIROYUKI
APPLICANT: STATOMOTO, JUN-ICHI
                                                                                                                                                              Sequence 192, Application US/11053076 Publication No. US20050255460A1 GENERAL INFORMATION:
            Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 83.3
Matches 5; Conservative
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                                                                     1 RLCRIV 6
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2 RLCRLV 7
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US-11-072-512-2681
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APPLICANT: LEUNG, FREDERICK C.
TITLE OF INVENTION: THEREOF HWAN VIRUS CAUSING RESPIRATORY TRACT INFECTION AND USES
TITLE OF INVENTION: THEREOF
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                                      Query Match 47.6%; Score 29.5; DB 7; Length 1162; Best Local Similarity 50.0%; Pred. No. 8.5e+02; Matches 6; Conservative 3; Mismatches 2; Indels 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 29; DB 6; Length 8; Pred. No. 7.7e+04; 1; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILE REFERENCE: V0690.0031
CURRENT APPLICATION NUMBER: US/10/895,064
CURRENT FILING DATE: 2004-07-21
NUMBER OF SEQ ID NOS: 2918
SOFTWARE: PatentIn vergion 3.2
SEQ ID NO 82
LENGTH: 8
                                                                                                                                                                                           Sequence 82, Application US/10895064
Publication No. US20060018923A1
GENERAL INFORMATION:
APPLICANT: PRIRIS, JOSEPH S.M.
APPLICANT: YUEN, KWOK YUNG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 83.3%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Corononavirus-HKU1
                                                                                                                                                                                                                                                                                GUAN, YI
CHAN, KWOK HUNG
                                                                                                                || : |::| ||
601 LCAVYVVQVRCR 612
                                                                                                                                                                                                                                                            APPLICANT: POON, LIT MAN APPLICANT: GUAN, YI APPLICANT: CHAN, KWOK HUNG
FRAGMENT TYPE: internal
                                                                                                2 LCRIVVIRV-CR 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , ORGANISM: Homo sapiens
US-10-485-788A-808
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1 VIIRVC 6
    ; FRAGMENT III
US-11-202-330-43
                                                                                                                                                                  RESULT 44
US-10-895-064-82
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LENGTH: 83
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us-10-657-851-37.rapbn

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APPLICANT: BASF Plant Science GmbH
TITLE OF INVENTION: Constructs and methods for regulating gene expression FILE REFERENCE: 53262-20085.00
CURRENT APPLICATION NUMBER: US/10/508,263
CURRENT PILING DATE: 2004-09-20
NUMBER OF SEQ ID NOS: 126
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 40
LENGTH: 144
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                                                                                                                                                                                                                                                                                                Query Match
46.8%; Score 29; DB 6; Length 144
Best Local Similarity 45.5%; Pred. No. 1.8e+02;
Matches 5; Conservative 2; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3; Indels
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Pred. No. 2e+02;
3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: SEKI, NACHIKO
APPLICANT: SEKI, NACHIKO
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: NAGAHARI, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVOL full length cDNA
FILE REFERENCE: 084335-0191
CURRENT APPLICATION NUMBER: US 60/350,978
PRIOR APPLICATION NUMBER: US 60/350,978
PRIOR PILING DATE: 2002-01-25
PRIOR APPLICATION NUMBER: US 60/350,978
PRIOR FILING DATE: 2001-11-05
NUMBER OF SEQ ID NOS: 4096
NUMBER OF SEQ ID NOS: 4096
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2779, Application US/11072512
Publication No. US20060029945A1
GENERAL INFORMATION:
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US-10-467-657-1878
; Sequence 1878, Application US/10467657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: ISOGAI, TAKAO
APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTRUKI, TETSUJI
APPLICANT: SATO, HIROYUKI
APPLICANT: ISHII, SHIZUKO
APPLICANT: YAMAMOTO, JUN-ICHI
APPLICANT: ISONO, YUKO
APPLICANT: HOO, YUKI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                OTSUKA, KAORU
NAGAI, KEIICHI
IRIE, RYOTARO
TAMECHIKA, ICHIRO
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Best Local Similarity 40.0°
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127 CQAAIHKVCR 136
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                                                                                                                                                                                                    TYPE: PRT

ORGANISM: Sinapis alba
US-10-508-263-40
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: PRT
ORGANISM: Homo sapiens
US-11-072-512-2779
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APPLICANT: Labat, Ivan
APPLICANT: Labat, Ivan
APPLICANT: Andarmani, Susan
APPLICANT: Andarmani, Susan
APPLICANT: Andarmani, Susan
APPLICANT: Tang, Y. Tom
ITILE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REFERENCE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT APPLICATION NUMBER: US 60/462,047
PRIOR APPLICATION NUMBER: US 60/462,047
PRIOR PILING DATE: 2003-04-07
NUMBER OF SEQ 1000S: 1704
SOFTWARE: pt SEQ genes Version 1.0
SEQ 1D NO 1406
LENGTH: 113
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 29; DB 7; Length 111
Pred. No. 1.5e+02;
3; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 46.8%; Score 29; DB 6; Length 113
Best Local Similarity 40.0%; Pred. No. 1.5e+02;
Matches 4; Conservative 3; Mismatches 3; Indels
                                APPLICANT: O'TSUKA, KAORU
APPLICANT: O'TSUKA, KAORU
APPLICANT: NAGAI, KEIICHI
APPLICANT: TAMECHIKA, ICHIRO
APPLICANT: TAMECHIKA, ICHIRO
APPLICANT: SEKI, NAOHIKO
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: O'TSUKA, MOTOVUKI
APPLICANT: O'TSUKA, MOTOVUKI
APPLICANT: NAGAHARI, KENAI
APPLICANT: NAGAHARI, KENAI
APPLICANT: NAGAHARI, KENAI
APPLICANT: NAGAHARI, KENAI
CURRENT ELICATION NUMBER: US 11/072,512
CURRENT FILING DATE: 2005-03-07
PRIOR APPLICATION NUMBER: US 60/350,978
PRIOR APPLICATION NUMBER: US 60/350,978
PRIOR APPLICATION NUMBER: JP 2001-379298
PRIOR FILING DATE: 2001-11-05
NUMBER OF SEQ ID NOS: 4096
SECTIVANTE PATENTIN VERY SEQ ID NOS: 4096
SECTIVANTE PATENTIN VERY SEQ ID NOS: 4096
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; Sequence 40, Application US/10508263
; Publication No. US20050260754A1
; GENERAL INFORMATION:
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Best Local Similarity 44.4
Matches 4; Conservative
  ISONO, YUUKO
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52 ICRVQVMDAC 61
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; ORGANISM: Homo sapiens
US-11-072-512-2681
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-821-234-1406
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Sequence 2, Application US/11124103
Sequence 2, Application US/11124103
GENERAL INFORMATION:
APPLICANT: Hitomi, Junichi
APPLICANT: Katayama, Taiichi
APPLICANT: Equchi, Yutaka
APPLICANT: Tsujimoto, Yoshihide
APPLICANT: Tsujimoto, Yoshihide
APPLICANT: Trujimoto, Yoshihide
APPLICANT: AMERINO NO ENDOPI
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APPLICANT: Stache-Crain, Birgit
APPLICANT: Stache-Crain, Birgit
APPLICANT: Adarmani, Susan
APPLICANT: Andarmani, Susan
TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia
FILE REPERBERGE: 821A
CURRENT APPLICATION NUMBER: US/10/821,234
CURRENT FILING DATE: 2004-04-07
PRIOR PLILING DATE: 2003-04-07
NUMBER OF SEQ ID NOS: 1704
SOFTWARE: pt SEQ genes Version 1.0
SOFTWARE: pt SEQ genes Version 1.0
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FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657;
CURRENT FILING DATE: 2003-08-11;
FRIOR APPLICATION NUMBER: GB-0103424.8
FRIOR FILING DATE: 2001-02-12;
NUMBER OF SEQ ID NOS: 9218;
SOFTWARE: SeqWin99, version 1.04;
SEQ ID NO 4170
LENGTH: 257
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CURRENT APPLICATION NUMBER: US/11/124,103
CURRENT FILING DATE: 2005-05-09
PRIOR APPLICATION NUMBER: JP 2004-184516
PRIOR FILING DATE: 2004-06-23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 1650, Application US/10821234; Publication No. US20050255114A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                           TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            205 KVIIVQAČR 213
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US-10-821-234-1650
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US-11-124-103-2
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US-10-793-626-134
; Sequence 134, Application US/10793626
; Bequence 134, Application US/10793626
; Publication No. US20050255478A1
; GENERAL INFORMATION:
; APPLICANT: KIMMERLY, WILLIAM JOHN
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; TITLE OF INVENTION: STAPHYLOCOCCUS EPIDERMIDIS NUCLEIC ACIDS AND PROTEINS
; CURRENT FILING DATE: 2004-03.94
; PRIOR FILING DATE: 1999-11-09
; PRIOR FILING DATE: 1999-11-09
; NUMBER OF SEQ ID NOS: 4472
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 134
; LENGTH: 244
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APPLICANT: FONTANA Maria Rita
APPLICANT: FONTANA Mariagrazia
APPLICANT: MASIGNANI Voga
APPLICANT: MASIGNANI Voga
APPLICANT: MONACI Elisabeta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
                                                                                                        APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3; Mismatches
                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT APPLICATION NUMBER: 2003-08-11
PRIOR PILING DATE: 2003-08-12
PRIOR PILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 1878
LENGTH: 168
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                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-1878
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ORGANISM: Artificial Sequence
FEATURE:
  Publication No. US20050260581A1
                                                      APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5; Conservative
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Matches 5; Conservative
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95 LCSLLMIRV 103
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Best Local Similarity
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US-10-467-657-4170
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RESULT 58

US-11-073-460-54

US-11-073-460-54

Sequence 54, Application US/11073460

Publication No. US20050272066A1

GENERAL INFORMATION:
APPLICANT: Pagano, M.
TITLE OF INVENTION: AND DIFFERENTIATIVE DISORDERS
FILE REFERENCE: 5914-090-999

CURRENT APPLICATION NUMBER: US/11/073,460

CURRENT APPLICATION NUMBER: 10/042,417

PRIOR APPLICATION NUMBER: 10/042,417

PRIOR APPLICATION NUMBER: 60/260,179

PRIOR APPLICATION NUMBER: 60/260,179

PRIOR PLING DATE: 2002-01-07

PRIOR PLING DATE: 2001-01-05

SOFTWARE: Patentin Ver. 2.0

SOFTWARE: Patentin Ver. 2.0
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                                                                                                                                                                                                                                                                                                                   Length 437;
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                                                                                                                                                                                                                                                                                                                                                                          2; Indels
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APPLICANT: FONTANA Maria Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MAISIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
                                                                                                                                                                           ; NAME/KEY: SITE
; LOCATION: all Kaa positions
; OTHER INFORMATION: Kaa=unknown amino acid residue
US-11-073-457-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LOCATION: all Xaa positions; OTHER INFORMATION: Xaa=unknown amino acid residue US-11-073-460-54
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CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
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; Sequence 298, Application US/10467657
; Publication No. US20050260581A1
; GENERAL INFORMATION:
           Patentin Ver. 2.0
                                                                                         TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
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ORGANISM: Homo sapiens
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                                  SEQ ID NO 54
LENGTH: 437
           SOFTWARE:
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Publication No. US20050260556A1

GENERAL INFORMATION:
APPLICANT: Pagano, M.

TITLE OF INVENTION: METHODS TO IDENTIFY COMPOUNDS USEFUL FOR THE TREATMENT OF PROLIFF

TITLE OF INVENTION: AND DIFFERENTIATIVE DISORDERS

FILE REFERENCE: 5914-090-999

CURRENT APPLICATION NUMBER: US/11/073,457

CURRENT APPLICATION NUMBER: 10/042,417

PRIOR FILING DATE: 2002-01-07

PRIOR FILING DATE: 2001-01-05

NUMBER OF SEQ ID NOS: 92
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APPLICANT: Pagano, M.
APPLICANT: Latres, E.
TITLE OP INVENTIONS NOVEL UBIQUITIN LIGASES AS THERAPEUTIC TARGETS
FILE REPERENCE: 5914-081
CURRENT APPLICATION NUMBER: US/10/632,150
CURRENT PILING DATE: 1999-08-27
PRIOR PILING DATE: 1999-08-27
PRIOR PILING DATE: 1999-02-03
PRIOR PILING DATE: 1999-02-03
PRIOR PILING DATE: 1999-03-15
PRIOR FILING DATE: 1999-03-15
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Pred. No. 4e+02;
6; Mismatches 1; Indels
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46.8%; Score 29; DB 6; Length 437;
Best Local Similarity 75.0%; Pred. No. 4.5e+02;
Matches 6; Conservative 0; Mismatches 2; Indels
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CCATION: all Kaa positions
OTHER INFORMATION: Xaa=unknown amino acid residue
US-10-632-150-54
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-632-150-54
; Sequence 54, Application US/10632150
; Publication No. US20050251871A1
; GENERAL INFORMATION:
; APPLICANT: Chiaur, D.
                                                                                                                                                                                               46.8%;
SOFTWARE: PatentIn version 3.3
SEQ ID NO 2
LENGTH: 377
                                                                                                                                                                                            Query Match
Best Local Similarity 22.2
Matches 2; Conservative
                                                                                                                                                                                                                                                                                                                                             251 KVIIVQACR 259
                                                                                                                                                                                                                                                                                                             4 RIVVIRVCR 12
                                                                                 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-124-103-2
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Query Match
Best Local Similarity 55.6
Matches 5; Conservative
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55 RLCGVKVVR 63
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US-10-467-657-6328

is Sequence 6328, Application US/10467657

is Publication No. US20050260581A1

igeneral information:
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igeneral information information Gonococcal Proteins and NUCLEIC ACIDS
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APPLICANT: FOUTANA Maria Rita
APPLICANT: FOUTANA Maria Rita
APPLICANT: POZZA Mariagrazia
APPLICANT: MASIGNAI Vega
APPLICANT: MASIGNAI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REPERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR RILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SEQ ID NO 5978
LENGTH: 474
                                                                                                                                                                                                                                                                 Score 29; DB 6; Length 473; Pred. No. 4.9e+02; Mismatches 2; Indels
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CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 6328
LENGTH: 473
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                                                                                                                                        ; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-298
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US-10-467-657-5978
   SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 298
                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 55.6%;
Matches 5; Conservative
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Best Local Similarity 55.6%;
Matches 5; Conservative
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                                                                                                                     TYPE: PRT
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Sequence 1124, Application US/11098686

Sequence 11247, Application US/11098686

Publication No. US20060024696A1

GENERAL INFORMATION:

APPLICANT: KAPLY, Vivek and Gebhart, Connie J.

TITLE OF INVENTION: NUCLEIC ACID AND POLYBEPTIDE SEQUENCES

TITLE OF INVENTION: FROM LAWSONIA INTRACELLULARIS AND METHODS OF USING

FILE REPERENCE: 09531-128001

CURRENT PLIJNG DATE: 2005-04-04

PRIOR APPLICATION NUMBER: PCT/US03/31318

PRIOR PILING DATE: 2003-10-01

PRIOR PILING DATE: 2003-10-04

NUMBER OF SEQ ID NOS: 11433

SOFTWARE: FRAESEQ for Windows Version 4.0

SEQ ID NO 11247
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APPLICANT: FONTANN MARIA Rita
APPLICANT: PIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Eliababetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
FRIOR PLING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOTWARE: Sequin99, version 1.04
SEQ ID NO 7518
46.8%; Score 29; DB 6; Length 474; 55.6%; Pred. No. 4.9e+02; tive 2; Mismatches 2; Indels
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Pred. No. 4.9e+02;
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Publication No. US20050260581A1
GENERAL INFORMATION:
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Best Local Similarity 55.07
'... 5; Conservative
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Best Local Similarity 50.0
Matches 5; Conservative
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                                                                                                          APPLICANT: PLOWARAN, GREGORY
APPLICANT: WHYTE, DAVID
APPLICANT: CHARYDCZAK, GLEN
APPLICANT: CHARYDCZAK, GLEN
APPLICANT: CHARYDCZAK, GLEN
APPLICANT: MANNING, GERARD
APPLICANT: SUDARSANAM, SUCHA
APPLICANT: SUDARSANAM, SUCHA
APPLICANT: SUDARSANAM, SUCHA
CURRENT PRILICATION NUMBER: US/11/037,243
CURRENT PLILOG DATE: 2005-05-26
PRIOR PLILOG DATE: 2001-06-26
PRIOR APPLICATION NUMBER: 60/214,047
PRIOR FLILING DATE: 2000-06-26
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CURRENT APPLICATION NUMBER: US/11/072,512
CURRENT FILING DATE: 2005-03-07
PRIOR PRILING DATE: 2002-01-25
PRIOR FILING DATE: 2002-01-25
PRIOR FILING DATE: 2001-11-05
NUMBER OF SEQ ID NOS: 4096
SEQ ID NO 1972
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APPLICANT: SEKI, NACHIKO
APPLICANT: YOSHIKAWA, TSUTOMU
APPLICANT: OTSUKA, MOTOYUKI
APPLICANT: NAGAHRA!, KENJI
APPLICANT: MAGAHRA!, KENJI
APPLICANT: MAGHURI, KENJI
TITLE OF INVENTION: Novel full length cDNA
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Publication No. US20050287546A1
GENERAL INFORMATION:
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SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 75
LENGTH: 1033
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Best Local Similarity 45.5
Matches 5; Conservative
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US-11-037-243-75
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Sequence 1144, Application Wo. US20050255114A1

GENERAL INFORMATION:

APPLICANT: Lababa', Usan

APPLICANT: Stache-Crain, Birgit

APPLICANT: Andarmani, Susan

TITLE OF INVENTION: Methods for Diagnosis and Treatment of Preeclampsia

FILE REFERENCE: 821A

CURRENT APPLICATION NUMBER: US/10/821,234

CURRENT APPLICATION NUMBER: US 60/462,047

PRIOR APPLICATION NUMBER: US 60/462,047

PRIOR FILING DATE: 2003-04-07

NUMBER OF SEQ ID NOS: 1704

SOFTWARE: Pt SEQ genes Version 1.0

SEQ ID NO 1144

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Pred. No. 7.6e+02;
2; Mismatches 4; Indels
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Best Local Similarity 44.4%; Pred. No. 8.4e+02;
Matches 4; Conservative 4; Mismatches 1.
                                                         APPLICANT: Agarwal, Pankaj
APPLICANT: Murdock, Paul R.
APPLICANT: Murdock, Paul R.
APPLICANT: Smith, Randall F.
APPLICANT: Sitzi, Safia K.
APPLICANT: Sitzi, Safia K.
APPLICANT: Sitzi, Safia K.
APPLICANT: Xiang, Zhaoying
TITLE OF INVENTION: NOVEL COMPOUNDS
TITLE OF INVENTION: NOVEL COMPOUNDS
TITLE OF ILING DATE: 2005-06-06
PRIOR FILING DATE: 2001-09-06
PRIOR FILING DATE: 2001-03-05
PRIOR FILING DATE: 2001-03-05
PRIOR FILING DATE: 2000-03-06
PRIOR PRILING DATE: 2000-03-06
PRIOR PRILING DATE: 2000-03-06
PRIOR FILING DATE: 2000-03-13
PRIOR FILING DATE: 2000-03-13
PRIOR FILING DATE: 2000-03-13
PRIOR FILING DATE: 2000-03-13
PRIOR FILING DATE: 2000-10-03
NUMBER OF SEQ ID NOS: 52
SOFTWARE: FRSEED FOR WINGOWS VERSION 3.0
Sequence 31, Application US/11147047
Publication No. US20050260668A1
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6 LCAAALLCVCR 16
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Best Local Similarity
Matches 5, Conserva
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LENGTH: 820
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JUNEAR APPLICATION NUMBER: 09/19930

PRIOR PILING DATE: 2000-03.

CURRENT APPLICATION NUMBER: 09/79930

PRIOR PELICATION NUMBER: 09/19930

PRIOR PELICATION NUMBER: 09/993387

PRIOR PELICATION NUMBER: 09/99390

PRIOR PELICATION NUMBER: 09/99406

PRIOR PELICATION NUMBER: 09/99406

PRIOR PELICATION NUMBER: 09/99406

PRIOR PELICATION NUMBER: 09/99406

PRIOR PELICATION NUMBER: 09/99399

PRIOR PELICATION NUMBER: 00/20823

PRIOR PELICATION NUMBER: 00/20823

PRIOR PELICATION NUMBER: 00/209263

PRIOR PELICATION NUMBER: 00/20000-25

PRIOR PELICATION NUMBER: 00/2000-05-13

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NUMBER OF SEQ ID NOS: 1609
SOFTWARE: CuraSeqList version 0.1
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PRIOR PILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/185967
PRIOR PILING DATE: 2000-03-01
PRIOR APPLICATION NUMBER: 09/823187
PRIOR PILING DATE: 2001-03-29
PRIOR PILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/195792
PRIOR APPLICATION NUMBER: 60/195792
PRIOR APPLICATION NUMBER: 60/199476
PRIOR PILING DATE: 2001-03-19
PRIOR PILING DATE: 2001-03-25
PRIOR PLING DATE: 2001-03-27
PRIOR PLING DATE: 2001-05-23
PRIOR PILING DATE: 2001-05-23
PRIOR PILING DATE: 2001-05-31
PRIOR PILING DATE: 2001-05-31
PRIOR PILING DATE: 2001-05-31
PRIOR PILING DATE: 2001-05-31
PRIOR PILING DATE: 2001-06-34
PRIOR FILING DATE: 2001-06-24
PRIOR PILING DATE: 2001-06-24
PRIOR PILING DATE: 2001-06-24
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US-10-453-372-780
; Sequence 780, Application US/10453372
; Publication No. US2066003323A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: CuraSeqList version 0.1 SEQ ID NO 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           248 LCLLVVVAVAIGWVCR 263
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-453-372-776
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 776
LENGTH: 290
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TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOL
FILE REPRENENCE: 21402-899
FULL REPRENENCE: 21402-893
CURRENT APPLICATION NUMBER: US/10/453,372
CURRENT FILING DATE: 2003-06-03
FRIOR FILING DATE: 2004-02-23
FRIOR FILING DATE: 2004-03-19
FRIOR FILING DATE: 2004-03-29
FRIOR FILING DATE: 2004-03-29
FRIOR FILING DATE: 2004-03-29
FRIOR FILING DATE: 2004-03-25
FRIOR FILING DATE: 2004-03-25
FRIOR FILING DATE: 2004-03-25
FRIOR FILING DATE: 2004-03-25
FRIOR FILING DATE: 2004-03-23
FRIOR FILING DATE: 2004-03-24
FRIOR FILING DATE: 2004-03-25
FRIO
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Publication No. US20060003323A1
GENERAL INFORMATION:
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD FILE REFERENCE: 21402-589 A
CURRENT APLICATION NUMBER: 2003-06-03
PRIOR APPLICATION NUMBER: 09/789390
                                                                                                                                                                                                                                                                                                                              1;
                                                                                                                                                                                                                               Query Match 46.0%; Score 28.5; DB 7; Length 185; Best Local Similarity 43.8%; Pred. No. 2.7e+02; Matches 7; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             46.0%; Score 28.5; DB 6; Length 284;
43.8%; Pred. No. 3.8e+02;
iive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 790, Application US/10453372
Publication No. US20060003323A1
GENERAL INFORMATION:
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Best Local Similarity 43.8 Matches 7; Conservative
                                                  ; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-072-512-1972
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                  LENGTH: 185
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Sequence 792, Application US/10453372
| Sequence 792, Application US/10453372
| Publication No. US20060003323A1
| GENERAL INFORMATION: US20060003323A1
| APPLICANT: Alsobrook, et al. |
| APPLICANT: Alsobrook, et al. |
| TITLE OF INVENTION: THEREABERTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODE FILE PREPRIENCE: 21402-589 A |
| CURRENT ILLING DATE: 2001-30-603-66-03 |
| PRIOR PLICATION NUMBER: 09/189390 |
| PRIOR PLICATION NUMBER: 09/189390 |
| PRIOR PLICATION NUMBER: 09/189390 |
| PRIOR PLING DATE: 2001-03-29 |
| PRIOR PLING DATE: 2001-03-10 |
| PRIOR PLING DATE: 2001-03-25 |
| PRIOR PLING DATE: 2001-03-25 |
| PRIOR PLING DATE: 2000-03-31 |

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     46.0%; Score 28.5; DB 6; 43.8%; Pred. No. 4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2; Mismatches
                                PRIOR FULING DATE: 2001-03-29
PRIOR PELICATION NUMBER: 09/823187
PRIOR PELING DATE: 2001-03-29
PRIOR FILING DATE: 2001-03-29
PRIOR FILING DATE: 2000-03-10
PRIOR PLING DATE: 2000-03-10
PRIOR PLING DATE: 2000-03-25
PRIOR PELICATION NUMBER: 09/80376
PRIOR PELING DATE: 2001-03-25
PRIOR PELING DATE: 2001-05-23
PRIOR PELING DATE: 2001-05-23
PRIOR PELING DATE: 2001-05-23
PRIOR PELING DATE: 2001-05-23
PRIOR PELING DATE: 2001-05-31
PRIOR PELING DATE: 2001-06-34
PRIOR PELING DATE: 2001-08-24
PRIOR PELING DATE: 2001-08-25
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Best Local Similarity 43.8%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: PRT
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-453-372-788
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TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REPERENCE: 21402-589 A CURRENT APPLICATION NUMBER: US/10/453,372
CURRENT APPLICATION DATE: 2003-06-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GENERAL INFORMATION:
APPLICANT: Alsobrook, et al.
TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD FILE REPERROCE: 21402-589 A CURRENT APPLICATION NUMBER: US/10/453,372
CURRENT FILING DATE: 2003-66-03
PRIOR APPLICATION NUMBER: 09/789390
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/185967
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PRIOR PLICATION NUMBER: 09/789390

PRIOR PLICATION NUMBER: 00/185967

PRIOR PELICATION NUMBER: 60/185967

PRIOR PLING DATE: 2000-03-01

PRIOR PILING DATE: 2000-03-01

PRIOR PLING DATE: 2000-03-10

PRIOR PLICATION NUMBER: 09/823187

PRIOR PLICATION NUMBER: 09/83946

PRIOR PLICATION NUMBER: 09/83946

PRIOR PLICATION NUMBER: 09/83946

PRIOR PLING DATE: 2001-03-19

PRIOR PLING DATE: 2001-03-25

PRIOR PLING DATE: 2001-03-25

PRIOR PLING DATE: 2001-05-23

PRIOR PLING DATE: 2001-06-23

PRIOR PLING DATE: 2001-06-23

PRIOR PLING DATE: 2001-06-23

PRIOR PLING DATE: 2001-06-23

PRIOR PLING DATE: 2001-06-24

PRIOR PLING DATE: 2000-06-31

PRIOR PLING DATE: 2000-06-31

PRIOR PLING DATE: 2000-06-34

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21
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                                                                                                                                            6; Length 302;
                                                                                                                                                                                                                                2; Indels
                                                                                                                                  5; DB 6
4e+02;
                                                                                                                                  Score 28.5; DE Pred. No. 4e+022; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               46.0%; Score 28.5; 43.8%; Pred. No. 4e
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Publication No. US20060003323A1
GENERAL INFORMATION:
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Sequence 788, Application US/10453372
Publication No. US20060003323A1
                                                                                                                                                                                                                                                                                                                                                                        263 LCLLVVAVAIGWVCR 278
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                                                                                                                                  Query Match
Best Local Similarity 43.8%;
Matches 7; Conservative
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; ORGANISM: Homo sapiens
US-10-453-372-780
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US-10-453-372-782
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Best Local Similarity
Matches 7; Conserv
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Gaps

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JACKENY ALSOFOOK, et al.

TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODE TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODE TITLE OF INVENTION NUMBER: US/10/453,372

CURRENT FILING DATE: 2003-06-03

PRIOR PELING DATE: 2001-02-23

PRIOR PELING DATE: 2000-03-01

PRIOR PELING DATE: 2000-03-10

PRIOR PELING DATE: 2000-03-25

PRIOR PELING DATE: 2001-05-3

PRIOR P
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NUMBER OF SEQ ID NOS: 1609
SOFTWARE: CuraSeqList version 0.1
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43.8%; Pred. No. 5.7e+02;
iive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 464;
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PRIOR FILING DATE: 2001-03-29
PRIOR APPLICATION NUMBER: 60/195792
PRIOR PILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 60/19546
PRIOR FILING DATE: 2001-03-19
PRIOR FILING DATE: 2001-03-19
PRIOR PELING DATE: 2000-03-25
PRIOR PLING DATE: 2000-05-23
PRIOR PLING DATE: 2001-05-33
PRIOR PLING DATE: 2001-05-31
PRIOR PELING DATE: 2001-05-31
PRIOR FILING DATE: 2000-05-31
PRIOR FILING DATE: 2001-06-31
PRIOR FILING DATE: 2001-06-34
PRIOR PILING DATE: 2001-06-34
PRIOR PILING DATE: 2001-06-25
PRIOR PILING DATE: 2001-08-25
PRIOR FILING DATE: 2001-08-25
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Publication No. US20060003323A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 43.8*
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Homo sapiens
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Publication No. 1220060003323A1
GENERAL INFORMATION: TERRAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, APPLICANT: Aleobrook, et al.
APPLICANT: Aleobrook, et al.
TITLE OF INVENTIONS: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOL FILE REFERENCE: 21402-589 A
CURRENT PAPLICATION WIMBER: 09/789390
PRIOR PAPLICATION NUMBER: 00/789390
PRIOR PILING DATE: 2001-02-33-01
PRIOR PILING DATE: 2001-03-30-01
PRIOR APPLICATION NUMBER: 09/823187
PRIOR PILING DATE: 2001-03-29
PRIOR PAPLICATION NUMBER: 09/89446
PRIOR FILING DATE: 2001-03-19
PRIOR PILING DATE: 2001-03-29
PRIOR PELING DATE: 2001-03-29
PRIOR PILING DAT
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Sequence 786, Application US/10453372
Sequence 786, Application US/10453372
Sequence 786, Application No. US20060003323A1
GENERAL INFORMATION:
TILE APPLICANT: Alsobrook, et al.
TILE REFERENCE: 21402-589 A
CURRENT APPLICATION NUMBER: US/10/453,372
CURRENT FILING DATE: 2003-06-03
PRIOR FILING DATE: 2001-02-23
PRIOR FILING DATE: 2001-02-27
PRIOR FILING DATE: 2000-03-01
PRIOR FILING DATE: 2000-03-01
PRIOR FILING DATE: 2000-03-01
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                                                                                                                                     Gaps
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                                          Query Match
46.0%; Score 28.5; DB 6; Length 302;
Best Local Similarity 43.8%; Pred. No. 4e+02;
Matches 7; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             46.0%; Score 28.5; DB 6; Length 309; 43.8%; Pred. No. 4.1e+02;
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                                                                                                                                                                                                                                                                                                    263 LCLLVVVAVAIGWVCR 278
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  267 LCLLVVVAVAIGWVCR 282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2 LCRIVVIR----VCR 12
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Best Local Similarity 43.87
Best Local 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-453-372-778
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PRIOR FILING DATE: 2000-031-10
PRIOR APPLICATION NUMBER: 09/83946
PRIOR APPLICATION NUMBER: 09/83946
PRIOR FILING DATE: 2000-03-25
PRIOR FILING DATE: 2000-03-25
PRIOR PLING DATE: 2000-05-23
PRIOR PAPLICATION NUMBER: 09/863776
PRIOR PAPLICATION NUMBER: 09/208263
PRIOR PLING DATE: 2000-05-31
PRIOR PLING DATE: 2000-05-31
PRIOR PLING DATE: 2000-06-31
PRIOR PLING DATE: 2000-06-31
PRIOR PLING DATE: 2000-08-45
PRIOR PLING DATE: 2000-08-25
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APPLICANT: Rucelahti, Erkki
TITLE OF INVENTION: MALECULES THAT SELECTIVELY HOME TO
TITLE OF INVENTION: WASCULATURE OF PRE-MALIGNANT DYSPLASTIC LESIONS OR
TITLE OF INVENTION: WASCULATURE OF PRE-MALIGNANT DYSPLASTIC LESIONS OR
TITLE OF INVENTION: MALIGNANCIES
FILE REPERRNE: 66821-311
CURRENT FILING DATE: 2004-10-20
PRIOR PAPLICATION NUMBER: 60/513,407
PRIOR FILING DATE: 2003-10-21
NUMBER OF SEQ ID NOS: 42
SSEC ID NOS: 43
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 28; DB 6; Length 13;
Pred. No. 35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Hanahan, Douglas
APPLICANT: Ruoslahti, Erkki
TITLE OF INVENTION: MOLECULES THAT SELECTIVELY HOME TO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; Sequence 40, Application US/10970847; Publication No. US20060002854A1; GENERAL INFORMATION:
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; Sequence 31, Application US/10970847
; Publication No. US20060002854A1
; GENERAL INFORMATION:
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263 LCLLVVVAVAIGWVCR 278
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ORGANISM: Artificial Sequence
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Best Local Similarity 50.v.
Then 5; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-453-372-770
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US-10-970-847-40
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TITLE OF INVENTION: THERABEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REFERENCE: 21402-589 A
CURRENT APPLICATION NUMBER: 09/789390
PRIOR PELICATION NUMBER: 09/789390
PRIOR PELICATION NUMBER: 09/789390
PRIOR PELICATION NUMBER: 09/789390
PRIOR PELING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 09/823187
PRIOR APPLICATION NUMBER: 09/823187
PRIOR APPLICATION NUMBER: 09/823187
PRIOR PELING DATE: 2000-03-10
PRIOR PELING DATE: 2000-03-10
PRIOR PELING DATE: 2000-03-25
PRIOR PELING DATE: 2000-03-25
PRIOR PELING DATE: 2001-03-23
PRIOR PELING DATE: 2001-05-23
PRIOR PELING DATE: 2001-05-23
PRIOR PELING DATE: 2001-06-24
PRIOR PELING DATE: 2001-08-24
PRIOR PELING DATE: 2000-08-24
PRIOR PELING DATE: 2000-08-24
PRIOR PELING DATE: 2000-08-24
PRIOR PELING DATE: 2000-08-25
PRIOR PELING DATE: 2000-08-26
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TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD FILE REPERBERS: 2140-2589 A.

CURRENT APPLICATION NUMBER: US/10/453,372

CURRENT FILING DATE: 2003-06-03

PRIOR PILING DATE: 2001-02-23

PRIOR FILING DATE: 2000-03-01

PRIOR FILING DATE: 2000-03-01

PRIOR PRILING DATE: 2000-03-01

PRIOR PRILING DATE: 2000-03-29

PRIOR PRILING DATE: 2001-03-29

PRIOR PILING DATE: 2001-03-29

PRIOR APPLICATION NUMBER: 06/195792
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                                           Indels
          Pred. No. 5.8e+02;
; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                       Sequence 774, Application US/10453372
Publication No. US20060003323A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: CuraSeqList version 0.1
SEQ ID NO 774
                                                                                                                                                                               251 LCLLVVVAVAIGWVCR 266
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251 LCLLVVVAVAIGWVCR 266
                                                                                                                 2 LCRIVVIR----VCR 12
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Best Local Similarity 43.8%;
Matches 7; Conservative
              43.8%;
       Best Local Similarity 43.8
Matches 7; Conservative
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US-10-453-372-774
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RESULT 83
US-10-467-657-3466
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                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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APPLICANT: NICHOLSON, Sandra B
TITLE OF INVENTION: THERAPEUTIC AND DIAGNOSTIC PROTEINS COMPRISING A SOCS
TITLE OF INVENTION: BOX
FILE REPERENCE: 10976ZA
CURRENT APPLICATION NUMBER: US/11/214,199
CURRENT APPLICATION NUMBER: US/09/908,805
FRIOR APPLICATION NUMBER: US/09/908,805
FRIOR APPLICATION NUMBER: 09/302,769
FRIOR APPLICATION NUMBER: 09/302,769
FRIOR APPLICATION NUMBER: 09/302,769
FRIOR PRINTED BATE: 1999-04-30
NUMBER OF SEQ ID NOS: 81
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 72
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TITLE OF INVENTION: VASCULATURE OF PRE-MALIGNANT DYSPLASTIC LESIONS OR FILE REFERENCE: 66821-311.
CURRENT APPLICATION NUMBER: US/10/970,847

FURRENT FILING DATE: 2004-10-20

PRIOR PAPLICATION NUMBER: 60/513,407

PRIOR PAPLICATION NUMBER: 60/513,407

PRIOR FILING DATE: 2003-10-21

NUMBER OF SEQ ID NOS: 42

SEQ ID NO 40

LENGTH: 13
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                                                                                                                                                                                                                                                                                                                                                                                  45.2%; Score 28; DB 6; Length 13; 50.0%; Pred. No. 35;
                                                                                                                                                                                                                                                                                                                                                                                                                             4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                             1; Mismatches
                                                                                                                                                                                                                                                                                                                OTHER INFORMATION: synthetic construct
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Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 72, Application US/11214199; Publication No. US20060003377A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: HILTON, Douglas J
APPLICANT: ALEXANDER, Warren S
APPLICANT: VINEY, Elizabeth M
APPLICANT: WILLSON, Tracey A
APPLICANT: RICHARDSON, Rachael T
                                                                                                                                                                                                                                              TYPE: PRT
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 50.0
Matches 5, Conservative
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Best Local Similarity 45.5
Matches 5; Conservative
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1 CRVVCADGCR 10
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ORGANISM: Homo sapiens
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US-11-214-199-72
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APPLICANT:
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Publication No. US20050260581A1

GENERAL INFORMATION:

APPLICANT: CHIRON SpA

APPLICANT: CHIRON SpA

APPLICANT: PONTANA Maria Rita

APPLICANT: MONACI Elisabetta

TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS

FILE REFERENCE:

CURRENT APPLICATION NUMBER: US/10/467,657

CURRENT PILING DATE: 2003-08-11

PRIOR FILING DATE: 2001-02-12
                                                                                                                                                                                                                                                                                                                                                                                      45.2%; Score 28; DB 6; Length 45; 50.0%; Pred. No. 1e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                     5; Indels
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Elisabetta
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT FILING DATE: 2003-08-11
PRIOR APPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SOFTWARE: SeqWin99, version 1.04
SEQ ID NO 3842
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Scalato, Enzo
APPLICANT: Masignani, Vega
APPLICANT: Rappuoli, Rino
APPLICANT: Pizza, Mariagrazia
APPLICANT: Grandi, Guido
TITLE OF INVENTION: Meningococcal Antigens
FILE REPERENCE: CHIRO159
CURRENT APPLICATION NUMBER: US/11/212,443
                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 88, Application US/11212443
Publication No. US20050287165A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Neisseria gonorrhoeae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NUMBER OF SEQ ID NOS: 9218
SCFTWARE: SeqWin99, version 1.04
SEQ ID NO 3466
LENGTH: 49
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                                                                                                                                                                                                                                                                                                                                                                                                                                     6; Conservative
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PRIOR FILING DATE: 2002-03-06
NUMBER OF SEQ ID NOS: 12
SOFTWARE: Patentin version 3.3
SEQ ID NO 3
LENGTH: 251
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167 VCRAVVPRV 175
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                                                                                                                   TYPE: PRT
ORGANISM: Mus musculus
US-10-927-322-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: PRT
ORGANISM: Homo sapiens
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Publication No. US20060014158A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Bittner, Michaela
APPLICANT: Bittner, Michaela
APPLICANT: Bittner, Michaela
APPLICANT: Bittner, Michaela
APPLICANT: Dittner, Michaela
TITLE OF INVENTION: Treatment and Diagnosis of Diabetic Wound Healing Problems
FILE REPERENCE: 50125/04800.
CURRENT APPLICATION NUMBER: US/10/927,322
CURRENT FILING DATE: 2004-08-26
PRIOR APPLICATION NUMBER: 027/EP03/02122
PRIOR APPLICATION NUMBER: 02004299.0
PRIOR FILING DATE: 2002-02-28
PRIOR PILING DATE: 2002-02-28
PRIOR PILING DATE: 5002-02-28
PRIOR APPLICATION NUMBER: 60/362,497
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                                                                                                                                                                                                                                                                             Score 28; DB 7; Length 155
Pred. No. 2.8e+02;
2; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Scalato, Enzo
APPLICANT: Masignani, Vega
APPLICANT: Masignani, Vega
APPLICANT: Bizza, Mariagrazia
APPLICANT: Fappuoli, Rino
APPLICANT: Grandi, Guido
TITLE OF INVENTION: Meningococcal Antigens
FITE REFERENCS: CHIROL59
CURRENT APPLICATION NUMBER: US/9/302,626
PRIOR APPLICATION NUMBER: US/9/302,626
PRIOR FILING DATE: 1999-04-30
PRIOR FILING DATE: 1999-01-14
NUMBER OF SEQ ID NOS: 195
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 96
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2; Mismatches
PRIOR APPLICATION NUMBER: US/09/302,626
PRIOR FILING DATE: 1999-04-30
PRIOR PLLING DATE: 1999-01-14
NUMBER OF SEQ ID NOS: 195
SOFTWARE: Patentin Ver. 2.1
LENGTH: 155
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Publication No. US20050287165A1
GENERAL INFORMATION:
                                                                                                                                                                                                        ORGANISM: Neisseria meningitidis US-11-212-443-88
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US-11-212-443-86
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Best Local Similarity 50.0%;
Matches 5; Conservative
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111 RKCRLVALMV 120
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139 RKCRLVALMV 148
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Best Local Similarity
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                                                                                                                                                                                     TYPE: PRT
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PRICAMIT: ALGORDACOK, et al.

TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
FILE REFERENCE: 21402-589
FILE OF INVENTION THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODS
CURRENT PAPLICATION NUMBER: US/10/453,372
CURRENT FILING DATE: 2003-06-03
FRIOR PAPLICATION NUMBER: 09/789390
FRIOR PAPLICATION NUMBER: 09/789390
FRIOR PAPLICATION NUMBER: 09/823187
FRIOR PAPLICATION NUMBER: 09/823187
FRIOR PAPLICATION NUMBER: 09/83946
FRIOR PAPLICATION NUMBER: 09/83946
FRIOR PAPLICATION NUMBER: 09/83946
FRIOR PAPLICATION NUMBER: 09/83946
FRIOR FILING DATE: 2000-03-19
FRIOR PAPLICATION NUMBER: 09/83976
FRIOR FILING DATE: 2000-05-31
FRIOR FILING DATE: 2000-05-31
FRIOR FILING DATE: 2000-06-31
FRIOR APPLICATION NUMBER: 00/227800
FRIOR FILING DATE: 2000-06-31
FRIOR FIL
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Length 251;
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66.7%; Pred. No. 4.8e+02;
tive 1; Mismatches 2; Indels
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Sequence 894, Application US/10995561

Publication No. US20050272054A1

GENERAL INFORWATION, Michele et al.

TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
45.2%; Score 28; DB 6; 140.0%; Pred. No. 4.2e+02; tive 3; Mismatches 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-453-372-766

. Sequence 766, Application US/10453372

. Publication No. US2060003323A1

. GENERAL INFORMATION:
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Query Match
Best Local Similarity 40.0
Matches 6; Conservative
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Best Local Similarity 66.7
Matches 6; Conservative
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PRIOR FILING DATE: 2000-03-25
PRIOR PLICATION NUMBER: 09/86376
PRIOR FILING DATE: 2001-05-23
PRIOR PLICATION NUMBER: 06/208263
PRIOR FILING DATE: 2000-05-31
PRIOR FILING DATE: 2000-05-31
PRIOR FILING DATE: 2000-06-31
PRIOR PLICATION NUMBER: 60/227800
PRIOR PAPLICATION NUMBER: 60/227800
PRIOR APPLICATION NUMBER: 60/227800
PRIOR PRIOR DATE: 2000-08-25
PRIOR PLICATION NUMBER: 60/227800
PRIOR FILING DATE: 2000-08-25
PRIOR FILI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TITLE OF INVENTION: Regulation of Human CysLT2-Like GPCR
TITLE OF INVENTION: Regulation of Human CysLT2-Like GPCR
TITLE OF INVENTION: Protein
FILE REFERENCE: 04974.00458
CURRENT APPLICATION NUMBER: US/11/157,930
CURRENT FILING DATE: 2005-06-22
PRIOR APPLICATION NUMBER: 60/195,196
PRIOR FILING DATE: 2001-04-09
PRIOR FILING DATE: 2000-04-07
PRIOR FILING DATE: 2000-04-07
PRIOR FILING DATE: 2000-12-13
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PASLSEQ for Windows Version 4.0
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Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: FIZZA Mariagrazia
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
TITLE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2, Application US/11157930 Publication No. US20050266482A1 GENERAL INFORMATION:
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Best Local Similarity 44.4
Matches 4; Conservative
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Matches 6; Conservative
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219 ICYLLIIRV 227
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; ORGANISM: Homo sapiens
US-11-157-930-2
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US-10-467-657-5824
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US-11-157-930-2
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Sequence 2, Application US/11044347B

Publication No. US20060019355A1

GENERAL INFORMATION:

APPLICANT: Takuji UDBA, Yuta NAKAI, Yoshiya GUNJI, Rie TAKIKAWA and Yuji JOE

TITLE OF INVENTION: L-AMINO ACID-PRODUCING MICRORGANISM AND METHOD FOR PRODUCING L-A

TITLE OF INVENTION: ACID

TITLE OF 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Alsobrook, et al.

TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD FILE REPERENCE: 21402-589 A CURRENT APPLICATION NUMBER: US/10/453,372

CURRENT APPLICATION NUMBER: US/78930

PRIOR FILING DATE: 2001-02-23

PRIOR FILING DATE: 2001-02-23

PRIOR FILING DATE: 2001-03-01

PRIOR FILING DATE: 2001-03-29

PRIOR FILING DATE: 2001-03-29

PRIOR FILING DATE: 2000-03-10

PRIOR PRIOR APPLICATION NUMBER: 60/195792

PRIOR PRIOR APPLICATION NUMBER: 60/1953946

PRIOR PRIOR APPLICATION NUMBER: 60/195476
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; TITLE OF INVENTION: CARDIOVASCULAR DISORDERS AND DRUG RESPONSE, METHODS OF
; TITLE OF INVENTION: DETECTION AND USES THEREOF
; FILE REFRENCE: CLOUSES9
; CURRENT APPLICATION NUMBER: US/10/995,561
; CURRENT PILING DATE: 2004-11-24
; NUMBER OF SEQ ID NOS: 87702
; SEQ ID NO 894
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-995-561-894
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              h 45.2%; Score 28; DB 6; Length 306; Similarity 50.0%; Pred. No. 4.9e+02; 6; Conservative 2; Mismatches 0; Indels
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Best Local Similarity 62.5%; Pred. No. 5.1e+02;
Matches 5; Conservative 2; Mismatches 1; Indels
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; Sequence 758, Application US/10453372
; Publication No. US20060003323A1
; GENERAL INFORMATION:
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126 KLCGWWI 133
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Best Local Similarity
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US-11-044-347B-2
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Gaps
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Pred. No. 5.6e+02;
3; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                               APPLICANT: OTSHIAM, ISOLOGNIA
APPLICANT: OTSHIA, MOTOVUKI
APPLICANT: NAGHARI, KENJI
APPLICANT: MASUHO, YASUHICA
FILEANT: MASUHO, YASUHICA
FILE REFERENCE: 084335-0191
CURRENT APPLICATION NUMBER: US/11/072,512
CURRENT APPLICATION NUMBER: US 60/350,978
PRIOR FILING DATE: 2002-01-25
PRIOR FILING DATE: 2001-01-05
PRIOR FILING DATE: 2001-11-05
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PATENT ON NOWER: 201-379298
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PATENT ON NOWER: 201-01-05
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PATENT ON NOWER: 201-01-05
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: PATENT ON NOWER: 201-01-05
LENGTH: 358
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: OTSUKA, MOTOVUKI
APPLICANT: NAGAHARI, KENJI
APPLICANT: MASUHO, YASUHIKO
TITLE OF INVENTION: NOVEL full length cDNA
FILE REFERENCE: 084335-0191
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/11/072,512 CURRENT FILING DATE: 2005-03-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 3087, Application US/11072512 Publication No. US20060029945A1 GENERAL INFORMATION:
                                                                                                                                               YAMAMOTO, JUN-ICHI
ISONO, YUUKO
HIO, YURI
OTSUKA, KAORU
NAGAI, KEIICHI
IRIE, RYOTARO
TAMECHIKA, ICHIRO
SEKI, NAOHIKO
YOSHIKAWA, ISUTOMU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WAKAMATSU, AI
SATO, HIROYUKI
ISHII, SHIZUKO
YAMAMOTO, JUN-ICHI
ISONO, YUUKO
HIO, YURI
OTSUKA, KAORU
NAGAI, KEIICHI
IRIE, RYOTARO
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                                         SUGIYAMA, TOMOYASU
OTSUKI, TETSUJI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEKI, NAOHIKO
YOSHIKAWA, TSUTOMU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: ISOGAI, TAKAO
APPLICANT: SUGIYAMA, TOMOYASU
APPLICANT: OTSUKI, TETSUJI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TAMECHIKA, ICHIRO
                                                                                   WAKAMATSU, AI
SATO, HIROYUKI
ISHII, SHIZUKO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  315 LCRSNTVLICK 325
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-11-072-512-3710
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TITLE OF INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHOD
FILE REPEBLES. 21402-589 A
CURRENT APPLICATION NUMBER: US/10/453,372
CURRENT FILING DATE: 2003-06-03
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PRIOR PILING DATE: 2000-03-25
PRIOR APPLICATION NUMBER: 60/199476
PRIOR APPLICATION NUMBER: 60/199476
PRIOR PILING DATE: 2001-05-23
PRIOR PELING DATE: 2000-05-31
PRIOR PELING DATE: 2000-05-31
PRIOR PELING DATE: 2000-05-31
PRIOR PELING DATE: 2000-06-31
PRIOR PILING DATE: 2000-06-35
PRIOR PILING DATE: 2000-06-35
PRIOR FILING DATE: 2000-06-35
PRIOR FILING DATE: 1000-06-35
PRIOR FILING DATE: 1000-06-35
PRIOR PILING DATE: 1000-06-35
PRIOR PILING DATE: 1000-06-35
PRIOR PILING DATE: 2000-06-35
PRIOR PILING DATE: 2000-06-35
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                                                                                                                                                                                                                                                                   Score 28; DB
Pred. No. 5.5e
1; Mismatches
CURRENT APPLICATION NUMBER: US/10/467,657
                    CURRENT FILING DATE: 2003-08-11
PRIOR PAPLICATION NUMBER: GB-0103424.8
PRIOR FILING DATE: 2001-02-12
NUMBER OF SEQ ID NOS: 9218
SEQ ID NO 5824
LENGTH: 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT FILING DATE: 2003-06-03
PRIOR APPLICATION NUMBER: 09/789390
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: 60/185967
PRIOR FILING DATE: 2000-03-01
PRIOR FILING DATE: 2000-03-29
PRIOR FILING DATE: 2000-03-29
PRIOR APPLICATION NUMBER: 60/195792
PRIOR FILING DATE: 2000-03-10
PRIOR APPLICATION NUMBER: 09/839446
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; Sequence 3710, Application US/11072512
; Publication No. US20060029945A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 760, Application US/10453372
Publication No. US20060003323A1
GENERAL INFORMATION:
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                                                                                                                                                                           ; TYPE: PRT
; ORGANISM: Neisseria gonorrhoeae
US-10-467-657-5824
                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 71.4%;
Matches 5; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 66.7
Matches 6; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Homo sapiens
US-10-453-372-760
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 LCRIVVIRV 10
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290 KLCRIAV 296
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SOFTWARE: CUION
SEQ ID NO 760
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Best Local Similarity 44.4%; Pred. No. 6.2e+02; Matches 4; Conservative 3; Mismatches 2;
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                                                                                                                                                                                                             Sequence 8052, Application US/10467657
Publication No. US20050260581A1
GENERAL INFORMATION:
APPLICANT: CHIRON SpA
APPLICANT: FONTANA Maria Rita
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 332, Application US/11082389
Publication No. US20050244935A1
GENERAL INFORMATION:
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SOFTWARE: SegWin99, version 1.04
SEQ ID NO 8052
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                            4; Conservative
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                                                                                                          109 VCRVCTLRV 117
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                                                                   2 LCRIVVIRV 10
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US-10-467-657-8052
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; Publication No. US2066003430A1
; GeneRAL INFORMATION:
APPLICANT: E. T. du Pont de Nemours and Company
; TITLE OF INVENTION: Lysophosphatidic Acid Acetyltransferases
; CURRENT FILING DATE: 2004-12-10
; PRIOR APPLICATION NUMBER: US/09/914,098
; PRIOR FILING DATE: 2001-08-22
; PRIOR FILING DATE: 2001-08-22
; PRIOR FILING DATE: 1999-02-22
; NUMBER OF SEQ ID NOS: 58
; SEG ID NOS: 58
; SEQ ID NO 46
; LENGTH: 395
; TYPE: PRI
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US-11-009-658-48

i Sequence 48, Application US/11009658

publication No. US20060003430A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Lysophosphatidic Acid Acetyltransferases
TITLE OF INVENTION: Lysophosphatidic Acid Acetyltransferases
CURRENT FILING DATE: 2004-12-10

PRIOR PILING DATE: 2004-12-10

PRIOR APPLICATION NUMBER: US/09/914,098

PRIOR PLING DATE: 2001-08-22

PRIOR PLING DATE: 2001-08-22

PRIOR FILING DATE: 2001-08-22

PRIOR FILING DATE: 1999-02-22

NUMBER OF SEQ ID NOS: 58

SEQ ID NO 48

LENGTH: 404
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                                                                                                                                                                                                               45.2%; Score 28; DB 7; Length 373; 57.1%; Pred. No. 5.8e+02; ive 3; Mismatches 0; Indels
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PRIOR APPLICATION NUMBER: JP 2001-379298
PRIOR FILING DATE: 2001-11-05
NUMBER OF SEQ ID NOS: 4096
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 3087
LENGTH: 373
                                                                                                                                                                                                                                  Best Local Similarity 57.1 Matches 4; Conservative
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110 VCRVCTLRV 118
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ORGANISM: Oryza sativa
                                                                                                                                                  ORGANISM: Homo sapiens
US-11-072-512-3087
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
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84 RVCRVLV 90
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US-11-009-658-46
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US-11-009-658-46
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                                                                                                                                TYPE: PRT
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APPLICANT: Pompejus, Markus
APPLICANT: Rooger, Burkhard
APPLICANT: Schroder, Hartwig
APPLICANT: Schroder, Hartwig
APPLICANT: Schroder, Hartwig
APPLICANT: Zelder, Oskar
TITLE OF INVENTION: CORVIDED IN MEMBRANE
TITLE OF INVENTION: TRANSPORT
TITLE OF INVENTION INVERSE: US 0/603024
PRIOR PELLING DATE: 1999-06-25
PRIOR PELLING DATE: 1999-06-25
PRIOR PELLING DATE: 1999-07-01
Gaps
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Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: PIZZA MATIAGRAZIA
APPLICANT: MASIGNANI Vega
APPLICANT: MASIGNANI Vega
APPLICANT: MONACI Blisabetta
ATTILE OF INVENTION: GONOCOCCAL PROTEINS AND NUCLEIC ACIDS
FILE REFERENCE:
CURRENT APPLICATION NUMBER: US/10/467,657
CURRENT PILING DATE: 2003-08-11
PRIOR FILING DATE: 2001-02-12
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Sequence 60, Application US/10763712A

Sequence 60, Application US/10763712A

Sequence 60, Application US/10763712A

Sequence 60, Application US/10763712A

Publication No. US2005266541A1

GENERAL INFORMATION:

APPLICANT: Solazyme, Inc.

ITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen

TITLE OF INVENTION: Production

TITLE OF INVENTION: Production

TITLE OF INVENTION: Methods and Compositions for Evolving Microbial Hydrogen

TITLE OF INVENTION: Production

TITLE OF INVENTION: Production

FILE OF INVENTION WIGHER: US/10/763,712A

CURRENT FILING DATE: 2004-01-04

PRIOR PILING DATE: 2003-11-04

PRIOR PILING DATE: 2003-04-12

PRIOR FILING DATE: 2003-04-12

PRIOR FILING DATE: 2003-09-03

NUMBER OF SEQ ID NOS: 184

SOFTWARE: PatentIn version 3.2

SEQ ID NO 60

LEAGTH: 462

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                                                                                                                                                                                                                                                                                                                                                                                                              0; Gaps
; PRIOR APPLICATION NUMBER: DE 19932134.5
; PRIOR FILING DATE: 1990-07-09
; PRIOR PILING DATE: 1990-07-09
; PRIOR PILING DATE: 1990-07-08-31
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 446
; SEQ ID NO 332
LENGTH: 433
; TYPE: PRT
; ORGANISM: Corynebacterium glutamicum
US-11-082-389-332
                                                                                                                                                                                                                                                                                                                                             Query Match
45.2%; Score 28; DB 7; Length 433;
Best Local Similarity 45.5%; Pred. No. 6.6e+02;
Matches 5; Conservative 3; Mismatches 3; Indels
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305 RVNRAVLYRIC 315
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US-10-763-712A-60
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US-10-308-905A-3
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US-10-318-777-42
US-10-318-777-42
US-10-425-115-356586
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                                                                                                                   February 15, 2006, 11:21:41; Search time 164 Seconds (without alignments) 30.573 Million cell updates/sec
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1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*

2: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

3: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*

4: /cgn2_6/ptodata/1/pubpaa/US108_PUBCOMB.pep:*

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                   GenCore version 5.1.7
(c) 1993 - 2006 Biocceleration Ltd.
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US-10-277-232-161

US-10-277-233-161

US-10-344-837-37

US-10-844-837-37

US-10-844-837-37

US-10-944-42A-5

US-10-909-119-52

US-11-066-697-1022

US-11-066-697-1022

US-10-909-119-29

US-10-909-119-29

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Maximum Match 100%
Listing first 100 summaries
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274478, 343659, 355532,

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US-10-277-232-161
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APPLICANT: Taylor, Robert
APPLICANT: Erfle, Douglas
APPLICANT: Erfle, Douglas
APPLICANT: Fraser, Janet R.
APPLICANT: Fraser, Janet R.
APPLICANT: Meet, Michael H.P.
APPLICANT: Meet, Michael H.P.
APPLICANT: Meet, Michael H.P.
TITLE OF INVENTION: COMPOSITIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
TITLE OF INVENTION: INPECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
TITLE OF INVENTION: WITH ANTIBIOTICS
FILE REFERENCE: 660081.406
CURRENT APPLICATION NUMBER: US/09/030,619B
CURRENT APPLICATION NOS: 232
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 161
TYDE
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### PEDLICANT: WARSUNARION:

### APPLICANT: WARSUNARY. VAN C.

### APPLICANT: WARSUNARY. VARADARAJAN

### PEDLICANT: RAWASWAMI, VARADARAJAN

### PEDLICANT: RAWASWAMI, VARADARAJAN

### PEDLICANT: ROWANOWSKI, MAREK J.

### TITLE OF INVENTION: NOVEL TARGETED DELIVERY SYSTEMS FOR BIOACTIVE AGENTS

### FILE REFERENCE: 5030-0001_2.55

### PRIOR PEDLICATION NUMBER: 09/7103,474

### PRIOR APPLICATION NUMBER: 09/7103,474

### PRIOR FILING DATE: 2000-01-05

### PRIOR FILING DATE: 2000-01-05

### PRIOR FILING DATE: 2000-01-05

### RIOR FILING DATE: 2000-01-05

### SOFTWARE: PATENTIN VET. 2.1

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Best Local Similarity 100.0%; Score 62; DB 3; Length 12;
Best Local Similarity 100.0%; Pred. No. 0.0038;
Matches 12; Conservative 0; Mismatches 0: Indels
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; ORGANISM: Bos taurus
US-09-030-619-161
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Matches 12; Conservative 0; Mismatches 0; Indels
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Best Local Similarity
Matches 12; Conservat
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US-09-917-340-37
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RESULT 5

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Publication No. US20050063378A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Vaccine Composition Comprising an Antigen and a Peptide
TITLE OF INVENTION: Having Adjuvant Properties
FILE REPRESENCE: SONN.031US
CURRENT APPLICATION NUMBER: US/10/399,442A
CURRENT FILING DATE: 2003-04-17
PRIOR APPLICATION NUMBER: PCT/EP01/12041
PRIOR FILING DATE: 2001-10-18
PRIOR FILING DATE: 2001-10-18
PRIOR FILING DATE: 2000-10-18
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APPLICANT: 41, Hua
APPLICANT: A1, Hua
APPLICANT: A1, Hua
TITLE OF INVENTION: DRUG DELIVERY SYSTEM BASED ON POLYMER
TITLE OF INVENTION: NANOSHELLS
FILE REPERENCE: CWRU-POL-040
CURRENT APPLICATION NUMBER: US/10/838,289
CURRENT PAPLICATION NUMBER: US 60/502,429
PRIOR PILING DATE: 2003-09-12
PRIOR PILING DATE: 2003-09-12
PRIOR PILING DATE: 2003-05-02
NUMBER OF SEQ ID NOS: 756
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                 100.0%; Score 62; DB 5; Length 12; 100.0%; Pred. No. 0.0038;
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APPLICANT: Homan, Jane
APPLICANT: Bremel, Kobert D.
TITLE OF INVENTION: Targeted Biocides
FILE REFERENCE: IOGEN-09014
CURRENT APPLICATION NUMBER: US/10/844,837
CURRENT FILING DATE: 2004-05-13
NUMBER OF SEQ ID NOS: 101
SOFTWARE: PatentIn version 3.2
LENGTH: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ) OTHER INFORMATION: Tumor targeting peptide US-10-838-289-676
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Publication No. US20050058603A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                      ; TYPE: PRT
; ORGANISM: Bos taurus
US-10-844-837-37
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Best Local Similarity
Matches 12; Conserv
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Best Local Similarity
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ORGANISM: Unknown
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   JS-10-838-289-676
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                                                                           APPLICANT: Krieger, Timocthy J.
APPLICANT: Krieger, Timocthy J.
APPLICANT: Taylor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Farser, Janet R.
APPLICANT: Fraser, Janet R.
APPLICANT: West, Michael H.P.
APPLICANT: West, Michael H.P.
APPLICANT: McNicol, Patricia J.
TITLE OF INVENTION: COMPOSITIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
TITLE OF INVENTION: WITH ANTIBIOTICS
TITLE OF INVENTION: WITH ANTIBIOTICS
TITLE OF INVENTION: WITH ANTIBIOTICS
CURRENT PELLING DATE: 2002-10-18
NUMBER OF SEQ ID NOS: 232
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 161
LENGTH: 12
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Publication No. US20040170642A1
GENERAL INFORMATION:
APPLICANT: JONG FRITZ ET AL.
TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
FILE REPREENCE: SOUN.30102
CURRENT APPLICATION NUMBER: US/10/344,709C
CURRENT PILING DATE: 2003-02-14
PRIOR PAPLICATION NUMBER: AFT/EPP01/09529
PRIOR FILING DATE: 2000-08-17
NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 4
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US-10-344-709C-4
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Pred. No. 0.0038;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
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                  Sequence 161, Application US/10277233
Publication No. US20030232750A1
GENERAL INFORMATION:
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Best Local Similarity 100.
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US-10-277-233-161
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Matches 12, Conserv
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; ORGANISM: Bos taurus
US-10-657-851-37
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US-11-066-697-1022
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Publication No. US20050079578A1
GENERAL INFORMATION:
APPLICANT: Centanni, John M.
APPLICANT: Allen-Hoffmann, Lynn
TITLE OF INVENTION: Human Skin Equivalents Expressing Exogenous Polypeptides
FILE REPREMENCE: STRATA-0913
CURRENT APPLICATION NUMBER: US/10/909,119
CURRENT FILING DATE: 2004-07-30
NUMBER OF SEQ ID NOS: 128
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5:
LENGTH: 12
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Fublication No. US20050089836A1
GENERAL INFORMATION:
APPLICANT: Murphy, Christopher J.
APPLICANT: McAnulty, Jonathan F.
TILE OF INVENTION: Transplant Media
FILE REFERENCE: TPLANT-06468
CURRENT APPLICATION NUMBER: US/09/917, 340
FRIOR PELING DATE: 2003-09-09
PRIOR PELING DATE: 2001-07-29
PRIOR APPLICATION NUMBER: 60/221, 632
PRIOR FILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 60/249,602
PRIOR FILING DATE: 2000-11-17
PRIOR FILING DATE: 2000-17-28
PRIOR FILING DATE: 2000-17-28
PRIOR FILING DATE: 2000-17-28
PRIOR FILING DATE: 2000-17-28
PRIOR FILING DATE: 2000-17-17
PRIOR FILING DATE: 2000-17-17
PRIOR FILING DATE: 2000-17-17
PRIOR FILING DATE: 2000-16-15
NUMBER OF SEQ ID NOS: 96
SEQ ID NO 37
LENGTH: 12
                                                                                                                       ORGANISM: Artificial Sequence
NUMBER OF SEQ ID NOS: 17
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 5
LENGTH: 12
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Matches 12, Conservative
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US-10-909-119-52
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| Publication No. US20050187159A1
| GENERAL INFORMATION:
| APPLICANT: Bridon, Dominique P. |
| APPLICANT: Bridon, Dominique P. |
| APPLICANT: Holmes, Daren L. |
| APPLICANT: Thibaudeau, Karen L. |
| APPLICANT: Thibaudeau, Karen |
| TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD |
| TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD |
| TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD |
| TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD |
| TITLE OF INVENTION: COMPONENTS |
| FILE REFERENCE: 500862002301 |
| CURRENT FILING DATE: 2005-02-25 |
| PRIOR APPLICATION NUMBER: 60/153,406 |
| PRIOR PILING DATE: 1999-01-10 |
| PRIOR FILING DATE: 1999-10-15 |
| NUMBER OF SEQ ID NOS: 1617 |
| SEQ
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Publication No. US20050187159A1

GENERAL INFORMATION

APPLICANT: Bridon, Dominique P.

APPLICANT: Bridon, Dominique P.

APPLICANT: Milner, Peter G.

APPLICANT: Thibaudeau, Karen

TITLE OF INVENTION: PREPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD

TITLE OF INVENTION: COMPONENTS

FILLE REPRENCE: S0062202301

CURRENT APPLICATION NUMBER: US/11/066,697

CURRENT RILING DATE: 2005-02-25

PRIOR APPLICATION NUMBER: 09/657,276

PRIOR APPLICATION NUMBER: 60/657,276

PRIOR APPLICATION NUMBER: 60/153,406
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OTHER INFORMATION: Description of Artificial Sequence: Synthetic
FOTHER INFORMATION: Peptide
19-11-066-697-1022
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        100.0%; Score 62; DB 5; Length 12; 100.0%; Pred. No. 0.0038;
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                                                                                             0; Indels
                                                                                             0; Mismatches
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.7
Matches 12, Conservative
Query Match
Best Local Similarity 100.
Matches 12, Conservative
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APPLICANT: Centanni, John M.
APPLICANT: Allen-Hoffmann, Lynn
TITLE OP INVENTION: Human Skin Equivalents Expressing Exogenous Polypeptides
FILE REFERENCE: STRATA-09123
CURRENT APPLICATION NUMBER: US/10/909,119
CURRENT PILING DATE: 2004-07-30
NUMBER OF SEQ ID NOS: 128
SOFTWARE: Patentin version 3.2
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                                                                                                                                                FEATURE:
, OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide US-10-344-709C-8
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                                                                                                                                                                                                                                              Length 155;
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100.0%; Pred. No. 0.041;
tive 0; Mismatches 0;
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US-10-844-837-29
Sequence 29, Application US/10844837
Publication No. US2005001432A1
GENERAL INFORMATION:
APPLICANT: Imboden, Michael
APPLICANT: Homan, Jane
APPLICANT: Bremel, Robert D.
TITLE OF INVENTION: Targeted Biocides
FILE REFERENCE: IOGEN-09014
CURRENT APPLICATION NUMBER: US/10/844,837
CURRENT FILING DATE: 2004-05-13
NUMBER OF SEQ ID NOS: 101
SOFTWARE: PatentIn version 3.2
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; Sequence 44, Application US/10909119
; Publication No. US20050079578A1
; GENERAL INFORMATION:
                                                                                                    TYPE: PRT
ORGANISM: Artificial Sequence
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Best Local Similarity 100.
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       NUMBER OF SEQ ID NOS: 23
SOFTWARE: Patentin Ver.
SEQ ID NO 8
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LENGTH: 155
TYPE: PRT
ORGANISM: BOS taurus
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CORGANISM: Bos taurus
US-10-844-837-29
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Sequence 8, Application US/10344709C
Publication No. US20040170642A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
FILE REPREBRICE: SONN.03008.
CURRENT APPLICATION NUMBER: US/10/344,709C
CURRENT FILING DATE: 2003-02-14
PRIOR FILING DATE: 2001-08-17
PRIOR PILING DATE: 2001-08-17
PRIOR FILING DATE: 2000-08-17
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                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: Synthetic JOTHER INFORMATION: Peptide US-11-066-697-1031
                                                                                                                                                                                                                                                                                                                                                                                       ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Murphy, Christopher J.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: Tead, Ted W.
TILE OF INVERTION: Transplant Media
FILE REFERENCE: TPLANT-06468
CURRENT APPLICATION WUMBER: US/09/917,340
CURRENT PILING DATE: 2000-07-28
PRIOR APPLICATION NUMBER: 60/221,632
PRIOR APPLICATION NUMBER: 60/249,602
PRIOR APPLICATION NUMBER: 60/290,932
PRIOR APPLICATION NUMBER: 60/290,932
PRIOR APPLICATION NUMBER: 60/290,932
PRIOR APPLICATION NUMBER: 60/290,932
PRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 96
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PRIOR FILING DATE: 1999-09-10
PRIOR APPLICATION NUMBER: 60/159,783
PRIOR FILING DATE: 1999-10-15
NUMBER OF SEQ ID NOS: 1617
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 1031
LENGTH: 12
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Patent No. US20020090369Ah
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 12; Conservative
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Best Local Similarity
Matches 12; Conserva
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US-09-917-340-29
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US-10-991-286A-43

Sequence 43, Application US/10991286A

Publication No. US20050186591A1

GENERAL INFORMATION:

APPLICANT: Buncret, David

APPLICANT: Raraganore, Demetrius M.

APPLICANT: Waraganore, Demetrius M.

APPLICANT: Waraganore, Demetrius M.

PAPLICANT: Waraganore, Demetrius M.

PAPLICANT: Waraganore, Demetrius M.

CURRENT: PILLA METHON: METHON OF TREATING NEURODEGENERATIVE DISEASE

CURRENT APPLICATION NUMBER: US/10/991,286A

CURRENT FILING DATE: 2004-06-09

PRIOR APPLICATION NUMBER: US 60/476,947

PRIOR PILING DATE: 2003-06-09

NUMBER OF SEQ ID NOS: 51

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 43

LENGTH: 12
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TITLE OF INVENTION: METHODS OF PREVENTING OFF-TARGET GENE
TITLE OF INVENTION: SILENCING
TITLE OF INVENTION: SILENCING
FILE REFERENCE: 1414-088001
CURRENT FILING DATE: 2004-07-26
PRIOR APPLICATION NUMBER: US/10/899,912A
CURRENT FILING DATE: 2004-04-09
PRIOR FILING DATE: 2000-04-09
PRIOR PLING DATE: 2000-04-03
PRIOR PLING DATE: 2000-04-03
PRIOR PLING DATE: 2003-04-09
PRIOR PLING DATE: 2003-04-09
PRIOR PLING DATE: 2003-04-09
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                                                                                                                                                                                                                                                                     Length 12;
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                                                                                                                                                          FEATURE:
, OTHER INFORMATION: Exemplary Cell Permeation Peptides
US-10-916-185-13
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Pred. No. 0.032;
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NUMBER OF SEQ ID NOS: 174
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13
LENGTH: 12
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; Sequence 36, Application US/10899912A
; Publication No. US20050233342A1
; GENERAL INPORMATION:
APPLICANT: Manoharan, Muthiah
                                                                                                                                                                                                                                                                        90.3%;
91.7%;
                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 91.7
Matches 11, Conservative
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100.0%; Pred. No. 0.041;
ive 0; Mismatches 0; Indels
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Publication No US20050107325A1
GENERAL INFORMATION:
APPLICANT: Resavan, Wenkitasamy
APPLICANT: Resavan, Venkitasamy
APPLICANT: Modern Modern Dina Agents
FILE REFERENCE: 14174-091001
CURRENT APPLICATION NUMBER: US/10/916,185
CURRENT FILING DATE: 2004-08-10
PRIOR APPLICATION NUMBER: US 60/465,665
PRIOR APPLICATION NUMBER: US 60/465,665
PRIOR APPLICATION NUMBER: US 60/465,665
PRIOR APPLICATION NUMBER: US 60/465,605
PRIOR APPLICATION NUMBER: US 60/465,802
PRIOR PILING DATE: 2003-04-17
PRIOR PILING DATE: 2003-04-25
PRIOR FILING DATE: 2003-08-08
PRIOR FILING DATE: 2003-08-08
PRIOR FILING DATE: 2003-08-18
PRIOR APPLICATION NUMBER: US 60/494,597
PRIOR APPLICATION NUMBER: US 60/494,597
PRIOR APPLICATION NUMBER: US 60/503,414
                                                                                                                                                                                                          APPLICANT: Murphy, Christopher J.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: Reid, Ted W.
TILLE OF INVENTION: Transplant Media
FILE REFERENCE: TPLANT-06468
CURRENT APPLICATION NUMBER: US/10/657,851
CURRENT FILING DATE: 2003-09-09
PRIOR FILING DATE: 2001-07-29
PRIOR FILING DATE: 2001-07-29
PRIOR FILING DATE: 2000-07-29
PRIOR PILING DATE: 2000-07-29
PRIOR FILING DATE: 2000-11-17
PRIOR PLING DATE: 2000-11-17
PRIOR FILING DATE: 2000-11-17
PRIOR FILING DATE: 2001-05-15
PRIOR FILING DATE: 2001-05-15
SEQ ID NOS: 96
SEQ ID NOS: 96
SEQ ID NOS: 96
SEQ ID NOS: 96
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PRIOR PEPLICATION NUMBER: US 60/506,341
PRIOR FILING DATE: 2003-09-26
PRIOR APPLICATION NUMBER: US 60/510,246
                                                                                                                              Sequence 29, Application US/10657851
Publication No. US20050089836A1
GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 12; Conservative
  144 RLCRIVVIRVCR 155
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US-10-657-851-29
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Sequence 127, Application US/09030619B Patent No. US20020035061A1
                                                                                    90.3%;
91.7%;
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Taylor, Robert
Erfle, Douglas
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                                                                                                                                                                        11; Conservative
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Best Local Similarity
                                                                                                                                Best Local Similarity
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; ORGANISM: COW
US-09-904-753-12
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            US-11-004-379-19
                                                                                            Query Match
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                        PRIOR PILING DATE: 2003-04-10

PRIOR FILING DATE: 2003-04-10

PRIOR PILING DATE: 2003-04-10

PRIOR PILING DATE: 2003-04-14

PRIOR PILING DATE: 2003-04-17

PRIOR PILING DATE: 2003-04-17

PRIOR PILING DATE: 2003-04-17

PRIOR PILING DATE: 2003-04-25

PRIOR PILING DATE: 2003-04-25

PRIOR PILING DATE: 2003-04-25

PRIOR PILING DATE: 2003-04-25

PRIOR PILING DATE: 2003-06-09

PRIOR PILING DATE: 2003-06-09

PRIOR PILING DATE: 2003-06-09

PRIOR PILING DATE: 2003-06-08

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NUMBER OF SEQ ID NOS: 63
SOFTWARE: FastSEQ for Windows Version 4.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Exemplary Cell Permeation Peptides US-10-899-912A-36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE: OTHER INFORMATION: Exemplary Cell Permeation Peptides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 90.3%; Score 56; DB 5; Best Local Similarity 91.7%; Pred. No. 0.032; Matches 11; Conservative 0; Mismatches
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TITLE OF INVENTION: IRNA CONJUGATES
FILE REFERENCE: 14174-067001
CURRENT APPLICATION NUMBER: US/11/004,379
CURRENT FILING DATE: 2004-12-03
PRIOR FILING DATE: 2004-04-05
PRIOR PELLOATION NUMBER: US 60/460,783
PRIOR PILLING DATE: 2003-04-03
PRIOR APPLICATION NUMBER: US 60/460,783
PRIOR APPLICATION NUMBER: US 60/462,894
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PRIOR PLING DATE: 2003-04-15
PRIOR PLING DATE: 2003-04-25
PRIOR PLING DATE: 2003-04-25
PRIOR PLING DATE: 2003-04-17
PRIOR PELING DATE: 2003-04-17
PRIOR PLING DATE: 2003-05-09
PRIOR PLING DATE: 2003-05-09
PRIOR PLING DATE: 2003-05-09
PRIOR PLING DATE: 2003-06-15
PRIOR PLING DATE: 2003-04-25
PRIOR APPLICATION NUMBER: US 60/465,802
PRIOR PLING DATE: 2003-04-25
PRIOR PLING DATE: 2003-04-25
PRIOR PLING DATE: 2003-04-26
PRIOR PLING DATE: 2003-04-26
PRIOR PLING DATE: 2003-08-08
APPLICATION NUMBER: US 60/461,915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-11-004-379-19
: Sequence 19, Application US/11004379
: Publication No. US20050153337A1
: GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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APPLICANT: Erfle, Douglas
APPLICANT: Fraser, Janet R.
APPLICANT: West, Michael H.P.
APPLICANT: West, Michael H.P.
APPLICANT: McNicol, Patricia J.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
TITLE OF INVENTION: WITH ANTIBIOTICS
TITLE OF INVENTION: WITH ANTIBIOTICS
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                                                                                                                                                                                                                     RESULT 23
US-09-904-733-12
; Sequence 12, Application US/09904753
; Publication No. US20030092612A1
; GENERAL INFORMATION:
; APPLICANT: Lynos, Robert 7
; TITLE OF INVENTION: Use of ANtimicrobal Peptides as Preservatives in TITLE OF INVENTION: Ophthalmic Preparations, Including Solutions, TITLE OF INVENTION: Ophthalmic Preparations, Including Solutions, TITLE OF INVENTION: Use 2
; CURRENT APPLICATION NUMBER: US/09/904,753
; CURRENT APPLICATION NUMBER: WO 96/25183
; PRIOR FILING DATE: 2001-07-13
; PRIOR FILING DATE: 196-08-22
; NUMBER OF SEQ ID NOS: 14
; SEQ ID NO 12
; LENGTH: 11
                                                       Gaps
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Pred. No. 0.62;
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Score 56; DB 6; Length 12;
Pred. No. 0.032;
0; Mismatches 1; Indels
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OTHER INFORMATION: Cationic Peptide Analogue
US-09-030-619-127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FILE REFERENCE: 660081.406
CURRENT APPLICATION NUMBER: US/09/030,619B
CURRENT FILING DATE: 1998-02-25
NUMBER OF SEQ ID NOS: 232
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 127
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APPLICANT: Krieger, Timothy J.
APPLICANT: Tyajor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Fraser, Janet R.
APPLICANT: West, Michael H.P.
APPLICANT: Mest, Michael H.P.
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING
TITLE OF INVENTION: INFECTIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION:
TITLE OF INVENTION: MATH ANTIBIOTICS
TITLE OF INVENTION: UNBER: US/10/277,232
CURRENT FILLING DATE: 2002-11-27
NUMBER OF SEQ ID NOS: 232
SOFTWARE: PASESEQ for Windows Version 3.0
SEQ ID NO 127
TENAME OF 323
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Length 12;
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Pred. No. 2.4;
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Pred. No. 2.4;
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- OTHER TOTHER Analogue
US-10-277-233-127
                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Cationic Peptide Analogue US-10-277-232-127
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Sequence 127, Application US/10277232
Publication No. US20030211537A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 3, Application US/10308905A
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             71.0%;
83.3%;
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Local Similarity 83.3%;
les 10; Conservative
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Best Local Similarity 83.3
Matches 10; Conservative
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US-10-308-905A-3
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                                                                                                                           Sequence 140, Application US/10229368

Publication No. US20030148945A1

GENERAL INFORMATION:
APPLICANT: McNicol, Patricia J.
APPLICANT: Pawlak, Sonia K.
APPLICANT: Cameron, Dale
APPLICANT: Cameron, Dale
TITLE OF INVENTION: ANTIMICROBIAL AND ANTI-INFLAMMATORY
TITLE OF INVENTION: PEFTIDES
FILE REFERENCE: 660081.418
CURRENT APPLICANTON NUMBER: US/10/229,368
CURRENT FILING DATE: 2002-08-26
NUMBER OF SEQ ID NOS: 140
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 140
LENGTH: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-225-087-118

Sequence 118, Application US/10225087

Publication No. US20030171281A1

GENERAL INFORMATION:
APPLICANT: Krieger, Timothy J.
APPLICANT: Fraser, Janet W.
TITLE OF INVENTION: FORMULATIONS THEREOF
FILE REFERENCE: 660081.417

CURRENT APPLICANTENCE: 660081.417

CURRENT APPLICANTON NUMBER: US/10/225,087

CURRENT FILING DATE: 2003-01-10

NUMBER OF SEQ ID NOS: 121

SOFTHARE: PastSEQ for Windows Version 4.0

LENGTH: 12
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Pred. No. 2.4;
0; Mismatches 2; Indels
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; OTHER INFORMATION: Indolicidin peptide analogs
US-10-229-368-140
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           71.0%;
83.3%;
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Best Local Similarity 83.3
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RLARIVVIRVAR 12
     1 RLCRIVVIRVCR 12
                               1 RLARIVVIRVAR 12
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Gaps ; 0

Indels

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Gaps

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Indels

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Sequence 42, Application US/10338777

Publication No. US20030188343A1

GENERAL INFORMATION:

APPLICANT: Lynx Therapeutics, Inc.

APPLICANT: United States Department of Agriculture

APPLICANT: Haudenschild, Christian D

APPLICANT: Bowen, Benjamin A

TILE OF INVENTION: Identification of Genes Associated with Growth in Plants

FILE REFRENCE: 37-00510US

CURRENT APPLICANT: 2003-01-07

NUMBER OF SEQ ID NOS: 405

SOFTWARE: PatentIn version 3.1

SEQ ID NO 42

LENGTH: 662
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Sequence 342320, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FITLE OF INVENTION: 19 Dants
FILE REFERENCE: 38-21(53222)
CURRENT APPLICATION NUMBER: US/10/425,115
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Pred. No. 2e+02;
4; Mismatches 1; Indels
                     APPLICANT: Krieger, Timothy J.
APPLICANT: Krieger, Timothy J.
APPLICANT: Krieger, Timothy J.
TITLE OF INVENTION: ANTHRICROBIAL CATIONIC PEPTIDES AND
TITLE OF INVENTION: FORMULATIONS THEREOF
FILE REFERENCE: 660081.417C1
CURRENT APPLICATION NUMBER: US 10/225,087
CURRENT FILING DATE: 2004-06-10
PRIOR PILING DATE: 2004-06-10
PRIOR FILING DATE: 2002-08-20
NUMBER OF SEQ ID NOS: 121
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 118
LENGTH: 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 44; DB 5; Length 12;
Pred. No. 2.4;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Indolicidin analog
US-10-865-687-118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: PRT ORGANISM: Arabidopsis thaliana
                                                                                                                                                                                                                                                                                                                             TYPE: PRT
ORGANISM: Artificial Sequence
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54.5%;
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Best Local Similarity 83.3%;
Matches 10; Conservative
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Best Local Similarity 54.5%,
According 6; Conservative
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69 VCQVVSVRVCR 79
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US-10-338-777-42
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APPLICANT: HANCOCK, Robert E. W.
APPLICANT: FILLAY, B. Brett
APPLICANT: GOUGH SCOTT, Monisha
APPLICANT: BOWDISH, Dawn
APPLICANT: ROSENBERGER, Carrie Melissa
APPLICANT: STEVENS POWERS, Jon-Paul
TITLE OF INVENTION EFFECTORS OF INNATE IMMUNITY DETERMINATION
FILE REFERENCE: UBC1180-2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             71.0%; Score 44; DB 4; Length 12; 83.3%; Pred. No. 2.4; 2; Indels iive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2; Indels
                                      APPLICANT: UNIVERSITY OF BRITISH COLUMBIA
APPLICANT: HANCOCK, Rober E. W.
APPLICANT: FINLAY, B. Brett
APPLICANT: GOUGH SCOTT, Monisha
APPLICANT: GOUGH SCOTT, Monisha
APPLICANT: ROSENBERGER, Carrie Melissa
APPLICANT: STEVENS POWERS, Jon-Paull
TITLE OF INVENTION: EFFECTORS OF INNATE IMMUNITY
FILLE REPERENCE: USCIL180-1
CURRENT APPLICATION NUMBER: US/10/308,905A
CURRENT FILING DATE: 2002-12-02
PRIOR FILING DATE: 2001-12-03
NUMBER OF SEQ ID NOS: 58
SOFTWARE: PALENTIN VERSION 3.1
SEQ ID NOS: 12
LENGTH: 12
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CURRENT FILING DATE: 2003-09-12
PRIOR APPLICATION NUMBER: US 10/308,905
PRIOR PILING DATE: 2002-12-02
PRIOR PLING DATE: 2001-12-03
NUMBER OF SEQ ID NOS: 66
SEQ ID NO 3: SEQ ID NOS: 66
SEQ ID NO 3: LENGTH: 12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/10661471 Publication No. US20040180038A1 GENERAL INFORMATION:
Publication No. US20040001803A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
Best Local Similarity 83.3*
Matches 10; Conservative
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: PRT
ORGANISM: Bovine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Bovine
US-10-661-471-3
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TYPE: PRT ORGANISM: Bacillus subtilis
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APPLICANT: Sloma, Alan
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150 LCRLIVLGVC 159
                                                                                                                                                                                                  2 LCRIVVIRVC 11
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ORGANISM: Oryza sativa
          ORGANISM: Zea mays
                                                                                                                                                                                                                                                                                                                           US-10-437-963-132462
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; Sequence 188456, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: La Lou, Yihua
; APPLICANT: Cao, Yongwei;
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; FILE REFERENCE: 38-21(5322)B
; CURRENT APPLICATION NUMBER: US/10/425,115
; UNMERT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 185456
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: In CONTINUE.

APPLICANT: Kovalic, David K.
APPLICANT: Kovalic, David K.
APPLICANT: Avoid K.
APPLICANT: Avoid K.
APPLICANT: Avoid K.
APPLICANT: Avoid K.
APPLICANT: David K.
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21 (5322) B
CURRENT FILING DATE: 2003-04-28
CURRENT FILING DATE: 2003-04-28
SEQ ID NOS: 369326
SEQ ID NO 356586
LENGTH: 51
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                                                                                                                                                                                                                                                                                                      Score 42; DB 4; Length 762;
Pred. No. 2.3e+02;
6; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Clone ID: MRT4577_88379C.1.pep
                                                                                                                                                                                                                                       ; OTHER INFORMATION: Clone ID: MRT4577_7535C.1.pep
US-10-425-115-342320
                                                                                                                                                       NAME/KEY: unsure
LOCATION: (1)..(762)
OTHER INFORMATION: unsure at all Xaa locations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 356586, Application US/10425115; Publication No. US20040214272A1; GENERAL INFORMATION:
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 342320
LENGTH: 762
                                                                                                                                                                                                                                                                                                        67.78;
                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 33.3.
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262 RICSLIIVTICR 273
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Matches 5; Conservative
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12 KFCRVLVVQQCR 23
                                                                                            TYPE: PRT
ORGANISM: Zea mays
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US-10-425-115-356586
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US-10-425-115-185456
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                                                                                                                                   FEATURE:
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APPLICANT: La Rosa, Thomas J.
APPLICANT: Expensional control of the Rosa, Thomas J.
APPLICANT: Cao, Yongwei
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Wu, Wei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Boukharov, Andrey A.
APPLICANT: Boukharov, Andrey A.
APPLICANT: Boukharov, Rice Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement TITLE OF INVENTION: 1812/1010/437,963
CURRENT APPLICATION UNDER: 2003-05-14
NUMBER OF SEQ. ID NOS: 204966
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APPLICANT: Hatch, Randolph T
APPLICANT: Hermann, Theron
APPLICANT: Edenberger, Thomas
TITLE OF INVENTION: BACTERIAL STRAINS WHICH OVERPRODUCE RIBOFLAVIN
FILE REPRESENCE: 13604 US6 (C38435/12919)
CURRENT APPLICATION NUMBER: U5/10/361,522
CURRENT PILING DATE: 2003-02-10
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                                                                                                           Length 174;
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                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Clone ID: PAT_MRT4530_34429C.1.pep
US-10-437-963-132462
; FEATURE:
; OTHER INFORMATION: Clone ID: MRT4577_100723C.1.pep
US-10-425-115-185456
                                                                                                      Score 40; DB 4; I
Pred. No. 1.2e+02;
3; Mismatches 1;
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PRIOR APPLICATION NUMBER: US 09/306,615
PRIOR FILING DATE: 1999-05-06
                                                                                                                                                                                                                                                                                                                                                                                            Sequence 132462, Application US/10437963 Publication No. US20040123343A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6, Application US/10361522 Publication No. US20030232406A1 GENERAL INFORMATION:
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Best Local Similarity 50.0%;
Matches 6; Conservative '
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SOFTWARE: Patentin version 3.2
SEQ ID NO L
LENGTH: 1778
                                                                                                        Query Match
Best Local Similarity 60.0%;
Matches 6; Conservative
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246 RVCQVVVAAVCK 257
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APPLICANT: La Rosa, Thomas J.
APPLICANT: La Rosa, Thomas J.
APPLICANT: Ea Rosa, Thomas J.
APPLICANT: Shou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Wu, Wei
APPLICANT: Butharou, Andrey A.
APPLICANT: Barbazuk, Brad
APPLICANT: Li, Ping
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT PILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 114215
                                                                                                             US-10-425-115-184982
US-10-425-115-184982

US-10-425-115-184982. Application US/10425115

Publication No. US20040214272A1

GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Neleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(53222)
FILE REFERENCE: 38-21(53222)
CURRENT FILING DATE: 2003-04-28

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 369326

SEQ ID NO 184982

LENGTH: 264
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Pred. No. 2.5e+02;
2; Mismatches 2; Indels
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; OTHER INFORMATION: Clone ID: PAT_MRT4530_17928C.1.pep
US-10-437-963-114215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Clone ID: MRT4577_100295C.1.pep
US-10-425-115-184982
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NAME/KEY: unsure
LOCATION: (1)..(264)
LOCATION: (1)..(264)
FEATURE:
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; Sequence 114215, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INPORMATION:
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Best Local Similarity 60.0%;
Matches 6; Conservative
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94 CRLVVTKACR 103
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         3 CRIVVIRVCR 12
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ORGANISM: Oryza sativa
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ORGANISM: Zea mays
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                                                                                                                                                                                                                                             RESULT 38
US-10-767-701-48894
is Sequence 48894. Application US/10767701
is Publication No. US20040172684A1
is GENERAL INFORMATION:
h APPLICANT: Kovalic, David K.
h APPLICANT: Cao, Yongwai
it TILE OF INVENTION: Plants and Uses Thereof For Plant Improvement
if TILE OF INVENTION: Plants and Uses Thereof For Plant Improvement
if TILE OF INVENTION NUMBER: US/10/767,701
it CURRENT APPLICATION NUMBER: US/10/767,701
it UNABLE OF SEQ ID NOS: 63128
is NUMBER OF SEQ ID NOS: 63128
is EDENGTH: 125
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; Sequence 14206, Application US/10732923
; Publication No. US20050108791A1
; CENERAL INFORMATION:
; APPLICANT: Edgerton, Michael D
; TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES
; FILE REPRENCE: 38-15 (52796) C
; CURRENT APPLICATION NUMBER: US/10/732,923
; CURRENT FILING DATE: 2003-12-10
; PRIOR APPLICATION NUMBER: 10/310,154
; PRIOR FILING DATE: 2002-12-04
; NUMBER OF SEQ ID NOS: 24149
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                                             64.5%; Score 40; DB 4; Length 1778; 60.0%; Pred. No. 1e+03; tive 2; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Clone ID: LIB3476-019-P1-K1-E12.pep
US-10-767-701-48894
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NAME/KEY: unsure

LOCATION: (1) .. (194)

OTHER INFORMATION: unsure at all Xaa locations
US-10-732-923-14206
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OTHER INFORMATION: unsure at all Xaa locations
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Best Local Similarity 66.7
Matches 6; Conservative
                                                                                            Conservative
                                                                                                                                                                 1517 LCNLVVFRIC 1526
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                                                                                                                                       2 LCRIVVIRVC 11
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                     TYPE: PRT
ORGANISM: Zea mays
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US-10-361-522-6
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PRIOR FILING DATE: 1997-11-17
PRIOR APPLICATION NUMBER: US 60/066,095
PRIOR FILING DATE: 1997-11-17
PRIOR PELING DATE: 1997-11-17
NUMBER OF SEQ ID NOS: 611
SOFTWARE: PatentIn Ver. 2.0
LENGTH: 50
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US-09-305-736-257
; Sequence 257, Application US/09305736
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Best Local Similarity 50.0
Matches 5; Conservative
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28 VCQYVIVRVC 37
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28 VCQYVIVRVC 37
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US-10-621-401-257
                                                                                                                                                                                                                                                                     CRGANISM: Homo sapiens US-09-974-879-257
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US-10-621-401-257
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Sequence 14195, Application US/10732923

Sequence 14195, Application US/10732923

Bublication No. US20050108791A1

GENERAL INFORMATION:

APPLICANT: Edgetcon, Michael D

TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES

FILE REFERENCE: 38-15 (52796) C

CURRENT APPLICATION NUMBER: US/10/732,923

CURRENT APPLICATION NUMBER: 10/310,154

PRIOR FILING DATE: 2002-12-04

NUMBER OF SEQ ID NOS: 24149

LENGTH: 820
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Pred. No. 7.3e+02;
1; Mismatches 2; Indels
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PRIOR PLING DATE: 1997-11-07
PRIOR PLING DATE: 2001-10-12
PRIOR APPLICATION NUMBER: US 60/239,893
PRIOR APPLICATION NUMBER: US 60/239,893
PRIOR PILING DATE: 2000-10-13
PRIOR PELING DATE: 2000-10-13
PRIOR PELING DATE: 2001-03-28
PRIOR PELING DATE: 1990-05-05
PRIOR PELING DATE: 1990-05-05
PRIOR APPLICATION NUMBER: US 60/64,911
PRIOR PELING DATE: 1999-11-07
PRIOR PLING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: US 60/64,911
PRIOR PLING DATE: 1997-11-07
PRIOR APPLICATION NUMBER: US 60/64,912
PRIOR PLING DATE: 1997-11-07
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APPLICATION NUMBER: US 60/066,094
FILING DATE: 1997-11-17
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FILING DATE: 1997-11-07
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Publication No. US20030028003A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  62.9%;
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Best Local Similarity 70.0
Matches 7; Conservative
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154 RLCRRVLVDVC 164
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                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 611
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ;
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Pred. No. 77;
4; Mismatches 1; Indels
Query Match 61.3%; Score 38; DB 3; Length 50; Best Local Similarity 50.0%; Pred. No. 77; Matches 5; Conservative 4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                    US-10-641-940-25)

Sequence 257, Application US/10621401

Publication No. US20040038277A1

GENERAL INFORMATION:
TILE OF INVENTION: 125 Human Secreted Proteins
FILE REFERENCE: P2020P2C1

CURRENT APPLICATION NUMBER: US/10/621,401

CURRENT APPLICATION NUMBER: US/0621,401

CURRENT APPLICATION NUMBER: US 09/974,879

PRIOR FILING DATE: 2001-10-12

PRIOR PILING DATE: 2001-10-12

PRIOR FILING DATE: 2001-10-13

PRIOR FILING DATE: 2001-10-13

PRIOR FILING DATE: 2001-00-28

PRIOR FILING DATE: 2001-00-28

PRIOR FILING DATE: 1999-05-05

PRIOR PLING DATE: 1999-11-04

PRIOR PLING DATE: 1999-11-07

PRIOR PLING DATE: 1997-11-07

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APPLICANT: La Rosa, Thomas J.
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Avail K.
APPLICANT: Cao, Yingwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE REPERENCE: 38-21(53222)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 286841
LENGTH: 72
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 Sequence 257, Application US/09818683

Publication No. US20040185440A9

GENERAL INFORMATION:

TITLE OF INVENTION: 125 Human Secreted Proteins

FILE REFERENCE: PZ020P1

CURRENT APPLICATION NUMBER: US/09/818,683

CURRENT FILING DATE: 2001-03-28

Prior application data removed - consult PALM or file wrapper

NUMBER OF SEQ ID NOS: 612

SOFTWARE: Patentin Ver: 2.0

SEQ ID NO 257
 ö
 ö
 Score 38; DB 3; Length 51;
Pred. No. 78;
4; Mismatches 1; Indels
 Length 51;
 61.3%; Score 38; DB 4; Length 72;
 1; Indels
 1; Indels
 ; OTHER INFORMATION: Clone ID: MRT4577_24694C.1.pep
US-10-425-115-286841
 Score 38; DB 3;
Pred. No. 78;
 FEATURE:

NAME/KEY: SITE

LOCATION: (51)

OTHER INFORMATION: Xaa equals stop translation
US-09-818-683-257
 ; LOCATION: (51)
; OTHER INFORMATION: Xaa equals stop translation
US-09-818-683-257
 4; Mismatches
 Sequence 286841, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
 61.3%;
50.0%;
 61.3%;
50.0%;
 Query Match
Best Local Similarity 50.0
 Best Local Similarity 50.0
Matches 5; Conservative
 2 LCRIVVIRVC 11
 :|:|:||
28 VCQYVIVRVC 37
 2 LCRIVVIRVC 11
 : |: |::|||
28 VCQYVIVRVC 37
ORGANISM: Homo sapiens
 TYPE: PRT
ORGANISM: Homo sapiens
 TYPE: PRT
ORGANISM: Zea mays
 RESULT 48
US-10-425-115-286841
 NAME/KEY: SITE
LOCATION: (51)
 RESULT 47
US-09-818-683-257
 LENGTH: 51
 Query Match
 Query Match
 FEATURE:
 FEATURE:
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 APPLICANT: Feng et al.

TITLE OF INVENTION: 125 Human Secreted Proteins
FILE REPERBNCE: P2020P1
CURRENT APPLICATION NUMBER: US/09/818,683
CURRENT FILING DATION NUMBER: OS/09/818,683
Prior application data removed - consult PALM or file wrapper NUMBER OF SEQ ID NOS: 612
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 257
LENGTH: 51
 Length 51;
 1; Indels
 TITLE OF INVENTION: 125 Human Secreted Proteins FILE REPERENCE: PG2020P1
FILE REPERENCE: PG2020P1
CURRENT PILING DATE: 1999-05-05
EARLIER PILING DATE: 1999-05-05
EARLIER PILING DATE: 1999-11-04
EARLIER PILING DATE: 1999-11-04
EARLIER PILING DATE: 1991-11-07
EARLIER PILING DATE: 1997-11-07
EARLIER PILING DATE: 1997-11-07
EARLIER PILING DATE: 1997-11-07
EARLIER FILING DATE: 1997-11-07
EARLIER PILING DATE: 1997-11-07
 Score 38; DB 3;
Pred. No. 78;
4; Mismatches
 ; LOCATION: (51)
; OTHER INFORMATION: Xaa equals stop translation
US-09-305-736-257
 EARLIER APPLICATION NUMBER: 60/064,985
EARLIER FILING DATE: 1997-11-07
EARLIER FILING DATE: 1997-11-17
 EARLIER APPLICATION NUMBER: 60/066,090
EARLIER FILING DATE: 1997-11-17
NUMBER OF SEQ ID NOS: 612
 Sequence 257, Application US/09818683 Publication No. US20030211472A1 GENERAL INFORMATION:
 61.3%;
50.0%;
 SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 257
 Query Match 61.3
Best Local Similarity 50.0
Matches 5; Conservative
 2 LCRIVVIRVC 11
 :|: |::|||
28 VCQYVIVRVC 37
 ORGANISM: Homo sapiens
 NAME/KEY: SITE
 US-09-818-683-257
 FEATURE:
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Sequence 309564, Application US/10425115
| Publication No. US20040214272A1
| GENERAL INFORMATION:
| APPLICANT: La Rosa, Thomas J. |
| APPLICANT: Cavolic, David K. |
| APPLICANT: Cavo, Yihua |
| APPLICANT: Cavo, Yongwei |
| APPLICANT: Cavo, Yongwei |
| APPLICANT: Cavo, Yongwei |
| TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With |
| TITLE OF INVENTION: Plants |
| TITLE OF INVENTION: Plants |
| TITLE OF INVENTION: Plants |
| CURRENT APPLICANTION NUMBER: US/10/425,115 |
| CURRENT FILING DATE: 2003-04-28 |
| NUMBER OF SEQ ID NOS: 369326
Sequence 32, Application US/10041018
Publication No. US20040072323A1
GENERAL INFORMATION:
APPLICANT: Matsuda, Selichi P.T.
APPLICANT: Hart, Elizabeth A.
TITLE OF INVENTION: Diterpene-Producing Unicellular Organism
FILE REFERENCE: P02080US1/10025547
CURRENT APPLICATION NUMBER: US/10/041,018
CURRENT APPLICATION NUMBER: US 60/259880
PRIOR FILING DATE: 2002-01-07
PRIOR FILING DATE: 2001-01-05
NUMBER OF SEQ ID NOS: 413
SOFTWARE PatentIn version 3.1
SEQ ID NO 32
LENGTH: 343
 RESULT 52
US-10-041-018-64

i Sequence 64, Application US/10041018

sequence 64, Application US/10041018

sequence 64, Application Wo. U220040072323A1

GENERAL INFORMATION:

APPLICANT: Matsuda, Seiichi P.T.

APPLICANT: Hart, Elizabeth A.

TITLE OF INVENTION: Diterpene-Producing Unicellular Organism

ITLE REFERENCE: P02080US1/100255A7

CURRENT APPLICATION NUMBER: US/10/041,018

CURRENT FILING DATE: 2002-01-07

FRIOR APPLICATION NUMBER: US 60/259880

PRIOR PILING DATE: 2001-01-05

NUMBER OF SEQ D NOS: 413

SOFTWARE: PatentIn version 3.1
 61.3%; Score 38; DB 4; Length 343; 50.0%; Pred. No. 4.6e+02; tive 4; Mismatches 1; Indels
 Length 343;
 1; Indels
 Score 38; DB 4; 1
Pred. No. 4.6e+02;
 Mismatches
 ; ORGANISM: Arabidopsis thaliana
US-10-041-018-64
 ORGANISM: Arabidopsis thaliana US-10-041-018-32
 Query Match 61.3%;
Best Local Similarity 50.0%;
Matches 5; Conservative
 Query Match 61.3
Best Local Similarity 50.0
Matches 5, Conservative
 2 LCRIVVIRVC 11
 2 LCRIVVIRVC 11
 2 LCKIIIMRPC 11
 2 LCKITIMRPC 11
 RESULT 53
US-10-425-115-309564
 SEQ ID NO 64
LENGTH: 343
 TYPE: PRT
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 APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Kovalic, David K.
APPLICANT: Kovalic, David K.
APPLICANT: Cao, Yinda
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(5322)8
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 349728
LENGTH: 108
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 Length 156;
 61.3%; Score 38; DB 4; Length 108; 66.7%; Pred. No. 1.6e+02; tive 3; Mismatches 0; Indels
 61.3%; Score 38; DB 4; Length 156
45.5%; Pred. No. 2.2e+02;
"Mismarches 2; Indels
 Indels
 60.0%; Pred. No. 1.1e+02; tive 2; Mismatches 2;
 ; OTHER INFORMATION: Clone ID: MRT4577_82126C.1.pep
US-10-425-115-349728
 ; OTHER INFORMATION: Clone ID: 30934332.pep
US-10-767-701-55912
 US-10-425-115-349728
; Sequence 349728, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
 Query Match
Best Local Similarity 66.7
Matches 6; Conservative
 Conservative
 6; Conservative
 TYPE: PRT
ORGANISM: Sorghum bicolor
 | :||: :|:||
96 ICRLSSLRICR 106
 2 LCRIVVIRVCR 12
 20 LCACVVLRIC 29
 2 LCRIVVIRVC 11
 Query Match
Best Local Similarity '
...^hes 5; Conservat
 2 LCRIVVIRV 10
 |||::|:||
21 LCRVLVVRV 29
 Best Local Similarity
Matches 6; Conserv
 TYPE: PRT
ORGANISM: Zea mays
 RESULT 51
US-10-041-018-32
 FEATURE:
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APPLICANT: et al.

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: DROSOPHILA GENES.

TITLE OF INVENTION: DROSOPHILA GENES.

TITLE OF INVENTION: DROSOPHILA GENES.

CURRENT APPLICATION NUMBER: 60/147, 832

PRIOR APPLICATION NUMBER: 60/160, 191

PRIOR APPLICATION NUMBER: 60/160, 191

PRIOR APPLICATION NUMBER: 60/160, 193

PRIOR APPLICATION NUMBER: 60/161, 932

PRIOR FILING DATE: 1999-10-19

PRIOR FILING DATE: 1999-11-12

PRIOR FILING DATE: 2000-02-24

PRIOR FILING DATE: 2000-03-23

NUMBER OF SEQ ID NOS: 43008

SOFTWARE: FEASTERQ FOR WINDOWS VERSION 4.0

SEQ ID NO 18954
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 Length 378;
 Pred. No. 2.5e+02;
2; Mismatches 3; Indels
 3; Indels
 APPLICANT: Farnet, Chris
APPLICANT: Yang, Xianshu
APPLICANT: Yang, Xianshu
APPLICANT: Staffar, Alfredo
APPLICANT: Zazopoulos, Emmanuel
TITLE OF INVENTION: POLYKETIDE SYNTHASE ENZYMES
FILE REFERENCE: 3012-208
CURRENT APPLICATION NUMBER: US/10/132,134
CURRENT FILING DATE: 2002-04-26
NUMBER OF SEQ ID NOS: 43
SOSTWARE: PATENTIN VETSION 3.0
 Score 37; DB 6; I
Pred. No. 7.2e+02;
2; Mismatches 3;
 TYPE: PRT
ORGANISM: Streptomyces platensis subsp. rosaceus
 Sequence 18954, Application US/11097143
Publication No. US20050208558A1
GENERAL INFORMATION:
 Sequence 14, Application US/10132134; Publication No. US20030171562A1; GENERAL INFORMATION:
 59.7%;
58.3%;
 APPLICANT: Venter, J. Craig
 Best Local Similarity 54.5
Matches 6; Conservative
 108 RLCCIAAVRLC 118
 Best Local Similarity 58.3
Matches 7; Conservative
 1 RLCRIVVIRVCR 12
 49 REARVFLIRVCR 60
 1 RLCRIVVIRVC 11
 US-11-097-143-18954
 US-11-097-143-18954
 US-10-132-134-14
 SEQ ID NO 14
LENGTH: 1953
 Query Match
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 US-10-425-115-227604

Sequence 227604, Application US/10425115

Sequence 227604, Application US/10425115

Sequence 227604, Application US/10425115

Sequence 227604, Application US/10425115

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Zhou, Yihua

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Plants

TITLE OF INVENTION: Plants

TITLE REFERENCE: 38-21(53222) B

CURRENT APPLICATION NUMBER: US/10/425,115

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 369326

SEQ ID NO 227604

LENGTH: 105
 Sequence 279410, Application US/10425115

Publication No. US20040214272A1

Publication No. US20040214272A1

GENERAL INFORMATION:
APPLICANT: EA ROSA, Thomas J.
APPLICANT: EACH, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21 (53222) B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 279410
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 59.7%; Score 37; DB 4; Length 105; 70.0%; Pred. No. 2.2e+02; Live 1; Mismatches 2; Indels
 59.7%; Score 37; DB 4; Length 121;
 Length 72;
 ; OTHER INFORMATION: Clone ID: MRT4577_139170C.1.pep
US-10-425-115-227604
 OTHER INFORMATION: Clone ID: MRT4577_186401C.1.pep
 ; OTHER INFORMATION: Clone ID: MRT4577_45385C.1.pep
US-10-425-115-309564
 59.7%; Score 37; DB 4;] 54.5%; Pred. No. 1.5e+02;
 Mismatches
 Query Match
Best Local Similarity 54.5-
 Query Match
Best Local Similarity 70.0
Matches 7; Conservative
 1 RLCRIVVIRVC 11
 31 QLCGAVMVRVC 41
 |||:||| |
54 LCRLVVIPPC 63
 2 LCRIVVIRVC 11
 TYPE: PRT
ORGANISM: Zea mays
 TYPE: PRT
ORGANISM: Zea mays
 TYPE: PRT
ORGANISM: Zea mays
 RESULT 55
US-10-425-115-279410
 US-10-425-115-279410
SEQ ID NO 309564
 Query Match
 FEATURE:
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147 RLCFWVVLR-CR 157
 Best Local Similarity 60.0
Matches 6; Conservative
 1 RLCRIVVIRVCR 12
 2 LCRIVVIRVC 11
 6 L'CSICVLRLC 15
 TYPE: PRT
ORGANISM: Homo sapiens
 ORGANISM: Homo sapiens
 RESULT 60
US-10-291-265-285
 US-10-291-265-285
 US-10-291-265-757
 US-10-291-265-757
 Query Match
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 US-10-455-115-250200

US-10-455-115-250200

Sequence 250200, Application US/10425115

Publication No. US20040214272A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants

FILE REFRENCE: 38-21(53222)B

CURRENT APPLICATION NUMBER: US/10/425,115

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 369326

SEQ ID NO 250200
 US-10-425-115-227496

Sequence 227496, Application US/10425115

Sequence 227496, Application US/10425115

Publication No. US20040214272A1

GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Plants
TITLE OF INVENTION: Plants
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(5322)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
WUMBER OF SEQ ID NOS: 369326

MUMBER OF SEQ ID NOS: 369326

LENGTH: 168
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 1;
 Query Match 58.9%; Score 36.5; DB 4; Length 168; Best Local Similarity 66.7%; Pred. No. 4.1e+02; Matches 8; Conservative 2; Mismatches 1; Indels
 Query Match 58.9%; Score 36.5; DB 4; Length 98; Best Local Similarity 53.8%; Pred. No. 2.5e+02; Matches 7; Conservative 3; Mismatches 2; Indels
 Length 1953;
 Score 37; DB 4; Length 195
Pred. No. 3.3e+03;
3; Mismatches 2; Indels
 ; OTHER INFORMATION: Clone ID: MRT4577_159770C.1.pep
US-10-425-115-250200
 ; OTHER INFORMATION: Clone ID: MRT4577_139072C.1.pep
US-10-425-115-227496
 LOCATION: (1)..(168)
OTHER INFORMATION: unsure at all Xaa locations
 59.7%;
 1 RLCRIVV-IRVCR 12
 39 RLCRLLVFFEICR 51
 Query Match
Best Local Similarity 54.5
Matches 6; Conservative
 |:| :|| :||
51 RVCAVVVEKVC 61
 1 RLCRIVVIRVC 11
 ORGANISM: Zea mays
FEATURE:
 ORGANISM: Zea mays
 FEATURE:
NAME/KEY: unsure
US-10-132-134-14
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APPLICANT: Hyseq, Inc.
APPLICANT: Tang et al
APPLICANT: Tang et al
APPLICANT: Tang et al
TITLE OF INVENTION: 0.1020030232054A1e1 Nucleic Acids and Polypeptides
FILE REFERENCE: 21272-017 (785)
CURRENT APPLICATION NUMBER: 09/491, 404
PRIOR PILING DATE: 2000-01-25
PRIOR APPLICATION NUMBER: 09/631, 456
PRIOR APPLICATION NUMBER: 09/631, 451
PRIOR APPLICATION NUMBER: 09/631, 451
PRIOR FILING DATE: 2000-09-03
PRIOR FILING DATE: 2000-09-15
PRIOR FILING DATE: 2000-09-15
SEQ ID NO 285
LENGRARE: PASELED OF Mindows Version 3.0
 APPLICANT: Tang et al.
APPLICANT: Tang et al.
TITLE OF INVENTION: US20030232054Alel Nucleic Acids and Polypeptides
FILE REFERENCE: 12172-017 (785)
CURRENT APPLICATION NUMBER: US/10/291,265
CURRENT PILING DATE: 2000-01-25
PRIOR PILING DATE: 2000-01-25
PRIOR PRIOR APPLICATION NUMBER: 09/491,404
PRIOR PILING DATE: 2000-01-65
PRIOR FILING DATE: 2000-01-67
PRIOR FILING DATE: 2000-08-03
PRIOR PRILING DATE: 2000-08-03
PRIOR PRILING DATE: 2000-08-03
PRIOR FILING DATE: 2000-08-05
SOFWWARE: PREUS PRIOR PRILING DATE: 2000-08-05
SOFWWARE: PREUS PRIOR PRILING DATE: 2000-08-05
SOFWWARE: PREUS PRICE PRILING DATE: 2000-08-05
SEQ ID NOS: 944
SEQ ID NOS: 944
SEQ ID NOS: 9757
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 Query Match 58.1%; Score 36; DB 4; Length 47; Best Local Similarity 60.0%; Pred. No. 1.5e+02; Matches 6; Conservative 2; Mismatches 2; Indels
 58.1%; Score 36; DB 4; Length 47; 60.0%; Pred. No. 1.5e+02; tive 2; Mismatches 2; Indels
; Sequence 285, Application US/10291265; Publication No. US20030232054A1; GENERAL INFORMATION:
 Sequence 757, Application US/10291265; Publication No. US20030232054A1; GENERAL INFORMATION:
```

```
APPLICANT: La Rosa Thomas J
APPLICANT: La Rosa Thomas J
APPLICANT: La Rosa Thomas J
APPLICANT: Solu Yihua
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223) B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 274478
 APPLICANT: La Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Cab, Yongwa J.
APPLICANT: Cab, Yongwa K.
APPLICANT: Cab, Yongwa J.
APPLICANT: Should K.
APPLICANT: S
 WS-10-425-115-35532

Sequence 355532, Application US/10425115

PUBLICATION No. US20040214272A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: La Rosa, Thomas J.

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Noteic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants

FILE REPERBUCE: 38-21(5322)B

CURRENT APPLICATION NUMBER: US/10/425,115
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 Length 52;
 Score 36; DB 4; Length 54;
Pred. No. 1.7e+02;
1; Mismatches 2; Indels
 2; Indels
 ; OTHER INFORMATION: Clone ID: PAT_MRT3847_89876C.1.pep
US-10-424-599-274478
) OTHER INFORMATION: Clone ID: MRT4577_76579C.1.pep
US-10-425-115-343659
 Score 36; DB 4; 1
Pred. No. 1.6e+02;
4; Mismatches 2,
 RESULT 65
US-10-425-115-343659
; Sequence 343659, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
 58.1%;
40.0%;
 58.1%;
70.0%;
 Query Match
Best Local Similarity 40.0°
 Best Local Similarity 70.0
Matches 7; Conservative
 2 LCRIVVIRVC 11
 18 MCQVITIRIC 27
 1 RLCRIVVIRV 10
 19 RLCRAVVVTV 28
 TYPE: PRT
ORGANISM: Glycine max
 GENERAL INFORMATION:
 TYPE: PRT
ORGANISM: Zea mays
 FEATURE:
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 Sequence 210097, Application US/10424599
Sequence 210097, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Canou Yihua
APPLICANT: Canou Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE APPLICATION NUMBER: US/10/424,599
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 210097
LENGTH: 52
 Sequence 248898, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
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 Score 36; DB 4; Lengtn >2;
Pred, No. 1.68+02;
 Length 48;
 3; Indels
 ; OTHER INFORMATION: Clone ID: PAT_MRT3847_31746C.1.pep
US-10-424-599-210097
 ; OTHER INFORMATION: Clone ID: MRT4577_158583C.1.pep US-10-425-115-248898
 Score 36; DB 4;
Pred. No. 1.5e+02;
 3; Mismatches
 ; Sequence 274478, Application US/10424599
; Publication No. US20040031072A1
 58.1%;
50.0%;
 58.1%;
 Query Match
Best Local Similarity 50.0
Matches 6; Conservative
 1 RLCKIVVIRVCR 12
 19 RICORCIDRVCR 30
 Conservative
LCRIVVIRVC 11
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LCSICVLRLC 15
 :|||::|:|
18 ICRIIIIKV 26
 2 LCRIVVIRV 10
 ORGANISM: Glycine max FEATURE:
 Query Match
Best Local Similarity
5; Conserv?
 TYPE: PRT
ORGANISM: Zea mays
 US-10-424-599-210097
 US-10-424-599-274478
 RESULT 64
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Sequence 296829, Application US/10425115
| Sequence 296829, Application US/10425115
| Publication No. US2004021427241
| GENERAL INFORMATION:
| APPLICANT: La Rosa, Thomas J.
| APPLICANT: Cao, Yongwal K.
| TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
| TITLE OF INVENTION: Plants
| FILE REPERENCE: 38-21(5322) B
| CURRENT APPLICATION NUMBER: US/10/425,115
| CURRENT PILING DATE: 2003-04-28
| NUMBER OF SEQ ID NOS: 369326
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 Length 113;
 Length 75;
 Indels
 2; Indels
 APPLICATE: WASHING TO TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES TITLE OF INVENTION: NOVEL NUCLEIC ACIDS AND POLYPEPTIDES CURRENT APPLICATION NUMBER: US/10/450,763 CURRENT FILING DATE: 2003-06-11
 ; OTHER INFORMATION: Clone ID: MRT4577_33782C.1.pep
US-10-425-115-296829
 Score 36; DB 6; I
Pred. No. 2.3e+02;
3; Mismatches 2.
 Score 36; DB 4; Pred. No. 3.4e+02;
PRIOR APPLICATION NUMBER: 60/160,191
PRIOR FILING DATE: 1999-10-19
PRIOR PILING DATE: 1999-10-19
PRIOR FILING DATE: 1999-10-28
PRIOR FILING DATE: 1999-11-2
PRIOR PLING DATE: 1999-11-2
PRIOR PLING DATE: 1999-11-2
PRIOR PLING DATE: 1999-12-28
PRIOR APPLICATION NUMBER: 60/175,693
PRIOR PILING DATE: 1999-12-28
PRIOR PILING DATE: 2000-01-12
PRIOR PILING DATE: 2000-02-14
PRIOR PILING DATE: 2000-02-24
PRIOR FILING DATE: 2000-03-23
PRIOR FILING DATE: 2000-03-23
NUMBER OF SEQ ID NOS: 43008
SOFTWARE: PRISE PRIOR PR
 1; Mismatches
 ; Sequence 44488, Application US/10450763
; Publication No. US20050196754A1
; GENERAL INFORMATION:
 58.1%;
50.0%;
 Match 58.1%;
Local Similarity 54.5%;
les 6; Conservative
 Overy Match
Best Local Similarity 50...
Best Local Si Conservative
 2 LCRIVVIRVCR 12
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81 LCRFPFLRACR 91
 3 CRIVVIRVCR 12
 ||: :|||:
45 CRVCKLRVCK 54
 GRGANISM: DROSOPHILA US-11-097-143-27312
 ORGANISM: Zea mays
 US-10-425-115-296829
 US-10-450-763-44488
 SEQ ID NO 296829
 Query Match
 Best Loc
Matches
 RESULT 70
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 8
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 Sequence 29110, Application US/10029386

Sequence 29110, Application US/10029386

Sequence 29110, Application US/10029386

GENERAL INFORMATION:

APPLICANT: Penn, Sharron G.

APPLICANT: Rank, David R.

APPLICANT: Hanzel, David R.

APPLICANT: Hanzel, David R.

TITLE OF INVENTION: EXPRESSION ANALYSIS TWO

STILE OF INVENTION: EXPRESSION ANALYSIS TWO

TITLE OF INVENTION: EXPRESSION ANALYSIS TWO

STILE OF INVENTION: EXPRESSION ANALYSIS TWO

TITLE OF INVENTION: EXPRESSION A
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 Sequence 27312, Application US/11097143
; Sequence 27312, Application US/11097143
; Publication No. US20050208558A1
; General INFORMATION:
 APPLICANT: Venter, J. Craig
; APPLICANT: et al.
; TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID
; TITLE OF INVENTION: DROSOPHILA GENES.
; FILE REFERENCE: CL000728
; CURRENT EPPLICATION WHERE: US/11/097,143
; CURRENT FILING DATE: 1999-10-05
; PRIOR FILING DATE: 1999-10-05
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 Score 36; DB 4; Length 75;
Pred. No. 2.3e+02;
 OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 1.4 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 2.6 OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 0.88 OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 0.88 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 1.2 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7 OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 2.7 OTHER INFORMATION: EXPRESSED IN BONE WARROW, SIGNAL = 1.2 OTHER INFORMATION: SWISSPROT HIT: P39766, EVALUE 7.10e+00
 Score 36; DB 4; Length 55;
Pred. No. 1.7e+02;
 2; Indels
 3; Indels
 OTHER INFORMATION: Clone ID: MRT4577_87410C.1.pep
 1; Mismatches
 2; Mismatches
 CURRENT FILING DATE: 2003-04-28 NUMBER OF SEQ ID NOS: 369326 SEQ ID NO 355532 LENGTH: 55
 58.1%;
60.0%;
 Query Match
Best Local Similarity 63.6%;
Matches 7; Conservative
 Query Match
Best Local Similarity 60.0°
 1 RLCRIVVIRVC 11
 43 RLCRILSSRSC 53
 19 LCRLWVLHVC 28
 2 LCRIVVIRVC 11
 ORGANISM: Homo sapiens
 TYPE: PRT
ORGANISM: Zea mays
 US-10-425-115-355532
 US-10-029-386-29110
 US-11-097-143-27312
 TYPE: PRT
 FEATURE:
 FEATURE:
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us-10-657-851-37.rapbm

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APPLICANT: Li Ping
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT FILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
 APPLICANT: Liu, Jingdong
APPLICANT: Liu, Jingdong
APPLICANT: Zhou, Yihua
APPLICANT: Sovealic, David K.
APPLICANT: Screen, Sceven E
APPLICANT: Tabaska, Jack E
APPLICANT: Tabaska, Jack E
APPLICANT: Co. Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: 18-21 [33:31] B
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 73128
SEQ ID NO 39115
LENGTH: 284
 Length 269;
 58.1%; Score 36; DB 4; Length 284; 54.5%; Pred. No. 7.9e+02; ive 2; Mismatches 3; Indels
 3; Indels
 Score 36; DB 4; Dred. No. 7.5e+02; 2; Mismatches 3
 OTHER INFORMATION: Clone ID: 701179351_FLI.pep
 Sequence 124578, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
APPLICANT: Boukharov, Andrey A.
APPLICANT: Brabazuk, Brad
 US-10-425-114-39115
Sequence 39115, Application US/10425114
; Publication No. US20040034888A1
; GENERAL INFORMATION:
 PRIOR FILING DATE: 2001-12-18
PRIOR APPLICATION NUMBER: JP 200;
PRIOR FILING DATE: 2001-06-18
NUMBER OF SEQ ID NOS: 2070
SOFTWARE: PetentIn Ver. 2.1
SEQ ID NO 1772
LENGTH: 269
 58.1%;
54.5%;
 Conservative
 Best Local Similarity 54.8
Matches 6; Conservative
 |:| : ||||
91 RVCVFIYIRVC 101
 | ||: :|||
187 RACRVNPLRVC 197
 1 RLCRIVVIRVC 11
 1 RLCRIVVIRVC 11
 ; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-292-798-1772
 Query Match
Best Local Similarity '
 TYPE: PRT
ORGANISM: Zea mays
 US-10-437-963-124578
 US-10-425-114-39115
 APPLICANT:
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 Query Match
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 Sequence 1772, Application US/10292798
Sequence 1772, Application US/10292798
Publication No. US20030235833A1
GENERAL INFORMATION:
APPLICANT: SUWA, MAKIKO
APPLICANT: ASI, KIYOSHI
APPLICANT: AKIYAMA, YUTAKA
APPLICANT: ABURATANI, HIROYUKI
TITLE OF INVENTION: GUANOSINE TRIPHOSPHATE-BINDING PROTEIN COUPLED RECEPTORS
FILE REPERENCE: 0843351/66
CURRENT APPLICATION NUMBER: US/10/292,798
CURRENT FILING DATE: 2002-11-13
PRIOR. APPLICATION NUMBER: 10/017,161
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 Length 115;
 Length 269;
 3; Indels
 4; Indels
 Sequence 2126. Application US/10017161
Publication No. US20030143668A1
GENERAL INFORMATION:
APPLICANT: SURA, MAKINO
APPLICANT: AXIAMA, VITARAA
TITLE OF INVENTION: NOVEL G PROTEIN-COUPLED RECEPTORS
FILE REPREBENCE: 084335/0152
CURRENT APPLICATION NUMBER: US/10/017,161
CURRENT FILING DATE: 2002-12-18
FRIOR PELICATION NUMBER: JP 2001/246789
FRICH APPLICATION NUMBER: JP 2001/246789
FRICH APPLICATION NUMBER: JP 2001/246789
FRICH APPLICATION NUMBER: JP 2001/246789
SOSTWARE: PRECENTING DATE: 2010-06-18
 ; LOCATION: (1)...(115)
; OTHER INFORMATION: Xaa = X or * as defined in Table 2
US-10-450-763-44488
 Score 36; DB 5; I
Pred. No. 3.4e+02;
1; Mismatches 4;
 Score 36; DB 4;]
Pred. No. 7.5e+02;
2; Mismatches 3.
PRIOR APPLICATION NUMBER: PCT/US01/08631
 PRIOR FILING DATE: 2001-03-30
PRIOR APPLICATION NUMBER: 09/540,217
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR APPLICATION NUMBER: 09/649,167
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 60736
SOFTWARE CUSTOM
SEQ ID NO 44488
 Query Match
Best Local Similarity 58.3%;
Matches 7; Conservative 1
 58.1%;
54.5%;
 101 KRCKILAHŘPCK 112
 Query Match
Best Local Similarity 54.5
Matches 6; Conservative
 1 RLCRIVVIRVCR 12
 |:| : ||||
91 RVCVFIYIRVC 101
 1 RLCRIVVIRVC 11
 NAME/KEY: misc feature LOCATION: (1) ... (115)
 ORGANISM: Homo sapiens
 TYPE: PRT
CRGANISM: Homo sapiens
US-10-017-161-2126
 US-10-292-798-1772
 SEQ ID NO 2126
LENGTH: 269
 TYPE: PRT
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58.1%;
54.5%;
 Query Match
Best Local Similarity 60.v.
 Query Match
Best Local Similarity 54.5
Matches 6; Conservative
365 RACRVNPLRVC 375
 372 RACRVNPLRVC 382
 1 RLCRIVVIRVC 11
 232 CRVVVKKSCR 241
 3 CRIVVIRVCR 12
 TYPE: PRT
ORGANISM: Glycine max
 TYPE: PRT
ORGANISM: Zea mays
 NAME/KEY: unsure
 RESULT 78
US-10-425-114-38947
 RESULT 77
US-10-739-930-8185
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 Sequence 22053, Application US/10369493

Publication No. US20030233675A1

GENERAL INFORMATION:

APPLICANT: Gao, Yongwei

APPLICANT: Hinkle, Gregory J.

APPLICANT: Gldman, Barry S.

APPLICANT: Gldman, Barry S.

APPLICANT: Chen, Xianfeng

TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF

TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROPERTIES

FILE REFERENCE: 38-10 (52052)B

CURRENT APPLICATION NUMBER: US/10/369,493

CURRENT APPLICATION NUMBER: US/10/369,493

CURRENT APPLICATION NUMBER: US/03-02-28

PRIOR APPLICATION NUMBER: US/03-02-28

NUMBER OF SEQ ID NOS: 47374

SEQ ID NO 22053
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 58.1%; Score 36; DB 4; Length 462; 54.5%; Pred. No. 1.2e+03; tive 2; Mismatches 3; Indels
 Query Match 58.1%; Score 36; DB 4; Length 391; Best Local Similarity 50.0%; Pred. No. 1.1e+03; Matches 5; Conservative 4; Mismatches 1; Indels
 Score 36; DB 4; Length 364;
Pred. No. 1e+03;
3; Mismatches 2; Indels
 FEATURE:
; OTHER INFORMATION: Clone ID: PAT MRT4530_27302C.1.pep
US-10-437-963-124578
 US-10-355-430-14

Sequence 14, Application US/10355430

Publication No. US20030188332A1

GENERAL INFORMATION:

APPLICANT: Dong, Jinzhuo

TITLE OF INVENTION: Amino Acid Transporters

FILE REFERENCE: REN-00-121

CURRENT APPLICATION NUMBER: US/10/355,430

CURRENT FILING DATE: 2003-01-31

NUMBER OF SEQ ID NOS: 73

SOFTWARE: PatentIn version 3.1

SEQ ID NO 14

LENGTH: 462
 ; ORGANISM: Saccharomyces cerevisiae US-10-369-493-22053
 Query Match 58.1%;
Best Local Similarity 54.5%;
Matches 6; Conservative
 Conservative
 162 RLCRRVLVDLC 172
 1 RLCRIVVIRVC 11
 327 LCQIVLYKIC 336
 2 LCRIVVIRVC 11
 ORGANISM: Oryza sativa
 Best Local Similarity
Matches 6; Conserv
 ; TYPE: PRT
; ORGANISM: Zea mays
US-10-355-430-14
 US-10-369-493-22053
SEQ ID NO 124578
LENGTH: 364
TYPE: PRT
 Query Match
 RESULT 76
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1 RLCRIVVIRVC 11

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APPLICANT: Zhou, Yihua

APPLICANT: Zhou, Yihua

APPLICANT: Screen, Steven E

APPLICANT: Tabaska, Jack E

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With

TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement

TITLE REPERENCE: 38-21(53313) B

CURRENT APPLICATION NUMBER: US/10/425,114

CURRENT FILING DATE: 2003-04-28

NUMBER OF SEQ ID NOS: 73128

SEQ ID NOS: 73128
Sequence 8185, Application US/10739930
Publication No. US20040216190A1
GRNERAL INFORMATION:
GRNERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID MOLECULES AND OTHER MOLECULES ASSOCIATED WITH
TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT
TITLE OF INVENTION: US/10/739,930
CURRENT APPLICATION NUMBER: US/10/739,930
CURRENT FILING DATE: 2003-12-18
SEQ ID NO 8185
LENGTH: 471
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 58.1%; Score 36; DB 4; Length 517; 60.0%; Pred. No. 1.4e+03; Live 2; Mismatches 2; Indels
 Score 36; DB 5; Length 471; Pred. No. 1.3e+03; S. Mismatches 3; Indels
 ; OTHER INFORMATION: Clone ID: ZEAMA-23APR03-C419_4.p
US-10-739-930-8185
 LOCATION: (1)..(471)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
 ; OTHER INFORMATION: Clone ID: 701142782_FLI.pep
US-10-425-114-38947
 RESULT 79
US-10-389-566-838
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TYPE: PRT ORGANISM: Triticum aestivum
 Query Match 58.1
Best Local Similarity 60.0
Matches 6; Conservative
 269 CRVVVKKSCR 278
 182 ICRCVVINAC 191
 2 LCRIVVIRVC 11
 3 CRIVVIRVCR 12
 TYPE: PRT
ORGANISM: Glycine max
 US-10-424-599-285322
 FEATURE:
NAME/KEY: unsure
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 US-10-739-930-10518

Sequence 10518, Application US/10739930

Publication No. 1020040216190A1

GENERAL INFORMATION:

APPLICANT: Kovalic, David K.

TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT

TITLE OF INVENTION: PLANTS AND USES THEREOF FOR PLANT IMPROVEMENT

FILE REFERENCE: 38-21 (53377)B
Sequence 838, Application US/10389566

Publication No. US20040025202A1

GENERAL INFORMATION:

APPLICANT: Monsanto Technology, LLC

APPLICANT: Monsanto Technology, LLC

APPLICANT: Monsanto Technology, LLC

TITLE OF INVENTION: Nucleic Acid Molecules Associated with Oil in Plants

FILE REPERENCE: 38-7/52900)

CURRENT APPLICATION NUMBER: US/10/389,566

CURRENT PILING DATE: 2003-03-15

PRIOR PILING DATE: 2002-03-15

PRIOR FILING DATE: 2002-06-25

PRIOR APPLICATION NUMBER: US 60/391,786

PRIOR APPLICATION NUMBER: US 60/392,018

PRIOR FILING DATE: 2002-06-26

NUMBER OF SEQ ID NOS: 2459

SEQ ID NOS: 2459

SEQ ID NO 838

LENGTH: 537
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 Gaps
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (4)...(4)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 FEATURE:
NAME/KEY: misc_feature
LOCATION: (8)..(8)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 NAME/KEY: misc feature
LOCATION: (1647)..(164)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 acid
 NAME/KEY: misc_feature
LOCATION: (184).
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
FEATURE:
 LOCATION: (1717..(171)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
 NAME/KEY: misc feature
LOCATION: (537)..(537)
OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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 NAME/KEY: misc feature
LOCATION: (520)...(520)
OTHER INFORMATION: Xaa can be any naturally occurring amino
 LOCATION: (177)...(177)
OTHER INFORMATION: Xaa can be any naturally occurring amino
 Length 537;
 Query Match 58.1%; Score 36; DB 4; Length 537
Best Local Similarity 54.5%; Pred. No. 1.4e+03;
Matches 6; Conservative 2; Mismatches 3; Indels
 :||: ||||
277 MCRVSWTRVCR 287
 2 LCRIVVIRVCR 12
 NAME/KEY: misc feature LOCATION: (171)..(171)
 NAME/KEY: misc feature LOCATION: (177)..(177)
 ORGANISM: Oryza sativa
 US-10-389-566-838
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APPLICANT: La Rosa Thomas J
APPLICANT: La Rosa Thomas J
APPLICANT: Expensive David K
APPLICANT: Show Yihua
APPLICANT: Zhow Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
TITLE OF INVENTION NUMBER: US/10/424,599
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 285322
LENGTH: 682
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 US-10-732-923-14197

Sequence 14197, Application US/10732923

Publication No. US20050108791A1

GENERAL INFORMATION:

APPLICANT: Edgerton, Michael D

TITLE OF INVERFURION: TRANGGENIC PLANTS WITH IMPROVED PHENOTYPES

TITLE REFERENCE: 38-15(52796)C

CURRENT APPLICATION NUMBER: US/10/732,923

CURRENT FILING DATE: 2003-12-10

PRIOR FILING DATE: 2002-12-04

NUMBER OF SEQ ID NOS: 24149
 Score 36; DB 5; Length 645;
Pred. No. 1.7e+03;
1; Mismatches 3; Indels
 58.1%; Score 36; DB 4; Length 682; 60.0%; Pred. No. 1.8e+03; tive 2; Mismatches 2; Indels
 ; OTHER INFORMATION: Clone ID: PAT_MRT3847_99675C.1.pep
US-10-424-599-285322
 ; OTHER INFORMATION: Clone ID: TRIAE-23APR03-C460_1.p
US-10-739-930-10518
 FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(645)
FEATURE INFORMATION: unsure at all Xaa locations
FEATURE:
 LOCATION: (1)..(682)
OTHER INFORMATION: unsure at all Xaa locations
CURRENT APPLICATION NUMBER: US/10/739,930
CURRENT FILING DATE: 2003-12-18
NUMBER OF SEQ ID NOS: 11088
SEQ ID NO 10518
LENGTH: 645
 Sequence 285322, Application US/10424599 Publication No. US20040031072A1 GENERAL INFORMATION:
 Query Match
Best Local Similarity 60.0%;
Matches 6; Conservative
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 TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES FILE REPERENCY.

TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES CURRENT APPLICATION NUMBER: US/10/732,923

CURRENT FILING DATE: 2003-12-10

PRIOR FILING DATE: 2002-12-04

NUMBER OF SEQ ID NOS: 24149
 Query Match 58.1%; Score 36; DB 5; Length 708; Best Local Similarity 50.0%; Pred. No. 1.9e+03; Matches 5; Conservative 3; Mismatches 2; Indels
 Length 708
 2; Indels
 Score 36; DB 5; I
Pred. No. 1.9e+03;
3; Mismatches 2;
 ; ORGANISM: Oryza sativa (japonica cultivar-group)
US-10-732-923-14200
 Sequence 14200, Application US/10732923
Publication No. US20050108791A1
GENERAL INFORMATION:
 Sequence 583, Application US/10310154 Publication No. US20030233670A1 GENERAL INFORMATION:
 Banu, G.
Bell, Brin
Boddupalli, Raghava
Deikman, Jill
Deng, Molian
 Dong, Jinzhuo
Duff, Stephen M.
Galligan, Meghan M.
Hinchey, Brenda S.
Huang, Shihshieh
 Kretzmer, Keith A
Laccetti, Lucille B.
 Johnson, G. Richard
Jung, Vincent
 Lund, Adrian
Madson, Linda L.
Malloy, Kathleen A.
 58.1%;
 APPLICANT: Edgerton, Michael D
APPLICANT: Chomet, Paul S.
APPLICANT: Adams, Thomas H
APPLICANT: Ruff, Thomas G.
 Agarwal, Ameeta K. Ahrens, Jeffrey E.
 Michael M.
 Lai, Chao-Qiang
Lee, Gary
Lin, Jie-Yi
Liu, Jingdong
 Query Match
Best Local Similarity 50...
France 5; Conservative
 Ball, James A.
 387 CRLVITKSCR 396
 387 CRLVITKSCR 396
 3 CRIVVIRVCR 12
 3 CRIVVIRVCR 12
 Lu, Bin
 Luethy,
 Huang,
 US-10-732-923-14200
 SEQ ID NO 14200
LENGTH: 708
 US-10-310-154-583
 APPLICANT:
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 RESULT 85
 RESULT 86
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 Sequence 186725, Application US/10437963
; Sequence 186725, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
; APPLICANT: Rosa, Yihua
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; APPLICANT: Buckharov, Andrey A.
; APPLICANT: Barbazuk, Brad
; APPLICANT: Barbazuk, Brad
; APPLICANT: Li, Ping
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
; TITLE OF INVENTION UNMBER: US/10/437,963
; CURRENT APPLICATION NUMBER: US/10/437,963
; SEQ ID NOS: 204966
; SEQ ID NO 186725
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 Sequence 457, Application US/10732923

Publication No. US20050108791A1

GENERAL INFORMATION.

TITLE OF INVENTION: TRANSGENIC PLANTS WITH IMPROVED PHENOTYPES

FILE REFERENCE: 38-15/52796/C

CURRENT APPLICATION NUMBER: US/10/732,923

CURRENT FILING DATE: 2003-12-10

PRIOR FILING DATE: 2003-12-04

NUMBER OF SEQ ID NOS: 24149

LENGTH: 708
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 6
 58.1%; Score 36; DB 5; Length 695; 60.0%; Pred. No. 1.8e+03; tive 2; Mismatches 2; Indels
 58.1%; Score 36; DB 4; Length 698; 50.0%; Pred. No. 1.8e+03; tive 3; Mismatches 2; Indels
 OTHER INFORMATION: Clone ID: PAT_MRT4530_83498C.1.pep
 FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(695)
OTHER INFORMATION: unsure at all Xaa locations
 Best Local Similarity 60.0
Matches 6; Conservative
 Best Local Similarity 50.0
Matches 5; Conservative
 270 CRVVVKKSCR 279
 387 CRLVITKSCR 396
 3 CRIVVIRVCR 12
 3 CRIVVIRVCR 12
 ORGANISM: Oryza sativa
 ; TYPE: PRT
; ORGANISM: Oryza sativa
;US-10-732-923-457
SEQ ID NO 14197
LENGTH: 695
TYPE: PRT
ORGANISM: Glycine max
 RESULT 83
US-10-437-963-186725
 US-10-437-963-186725
 US-10-732-923-14197
 RESULT 84
US-10-732-923-457
 Query Match
 Query Match
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Gaps

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Score 36; DB 6; Length 762;
Pred. No. 2e+03;
4; Mismatches 2; Indels
 Score 36; DB 4; Length 861;
Pred. No. 2.2e+03;
2; Mismatches 3; Indels
 58.1%; Score 36; DB 4; Length 861; 54.5%; Pred. No. 2.2e+03;
 US-10-41-926-22
US-10-41-926-22
Sequence 22. Application US/10441926
Sequence 22. Application No. US20040115621A1
GENERAL INPORMATION:
APPLICANT: Rodingo, Allen
APPLICANT: Mullins, James I.
TILE OF INVENTION: ANCESTRAL VIRUSES AND VACCINES
FILE REFERENCE: 08987-011001
CURRENT APPLICATION NUMBER: US/10/441,926
CURRENT FILING DATE: 2001-02-18
PRIOR APPLICATION NUMBER: PCT/US01/05288
PRIOR APPLICATION NUMBER: DC1/US01/05288
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEQ ID NOS: 42
SOFTWARE: FARLSEQ for Windows Version 4.0
SEQ ID NO 2:
LEMUTH: 861
 APPLICANT: Rodrigo, Allen
APPLICANT: Ross, Howard A.
APPLICANT: Ross, Howard A.
APPLICANT: Ross, Howard A.
APPLICANT: Mullins, James I.
TITLE OF UNENTION: ANCESTRAL VIRUSES AND VACCINES
FILE REFERENCE: 08987-011001
CURRENT APPLICATION NUMBER: US/10/441,926
CURRENT FILING DATE: 2003-05-19
PRIOR APPLICATION NUMBER: PCT/US01/05288
PRIOR APPLICATION NUMBER: US 60/183,659
PRIOR APPLICATION NUMBER: US 60/183,659
PRIOR APPLICATION NUMBER: US 60/183,659
PRIOR FILING DATE: 2000-02-18
SPIOR ROWBER OF SEQ ID NOS: 42
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 20
LENGTH: 861
 ; OTHER INFORMATION: Artificially generated peptide
US-10-441-926-20
 , OTHER INFORMATION: Artificially generated peptide
US-10-441-926-22
 US-10-441-926-20
; Sequence 20, Application US/10441926
; Publication No. US20040115621A1
 58.1%;
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match 58.1%;
Best Local Similarity 54.5%;
Matches 6; Conservative
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match 58.1
Best Local Similarity 45.5
Matches 5; Conservative
 147 RNCRILTIAIC 157
 |:||: ::||
28 RVCRVFIRQVC 38
 1 RLCRIVVIRVC 11
 1 RLCRIVVIRVC 11
 Query Match
Best Local Similarity
 GENERAL INFORMATION:
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 Sequence 2367, Application US/11097143

Sequence 2367, Application US/11097143

Publication No. US2005020858A1

GENERAL INFORMATION:

APPLICANT: Venter, J. Craig

APPLICANT: et al.

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: DETECTION KIT, SUCH AS NUCLEIC ACID

TITLE OF INVENTION: DECONO28

CURRENT APPLICATION NUMBER: US/11/097,143

CURRENT FILING DATE: 1999-10-05

PRIOR FILING DATE: 1999-10-05

PRIOR FILING DATE: 1999-10-19

PRIOR FILING DATE: 1999-10-28

PRIOR FILING DATE: 1999-11-12

PRIOR FILING DATE: 1999-11-12

PRIOR FILING DATE: 1999-11-12

PRIOR FILING DATE: 1999-10-28

PRIOR FILING DATE: 1999-10-12

PRIOR FILING DATE: 1999-10-28

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PRIOR FILING DATE: 1999-10-12

PRIOR FILING DATE: 1999-10-12

PRIOR FILING DATE: 2000-01-12

PRIOR APPLICATION NUMBER: 60/173,383

PRIOR FILING DATE: 2000-01-12

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PRIOR PLING DATE: 2000-00-24

PRIOR PLING DATE: 2000-00-24

PRIOR PLING DATE: 2000-00-34

PRIOR PLING DATE: 2000-00-34

PRIOR PLING DATE: 2000-00-34

PRIOR PLING DATE: 2000-00-323
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 TITLE OF INVENTION: Gene Sequences and Uses Thereof in Plants FILE REFERENCE: 38-15(52796)B
CURRENT APPLICATION NUMBER: US/10/310,154
CURRENT FILING DATE: 2002-12-04
 Length 709;
 Score 36; DB 4; Length 709
Pred. No. 1.9e+03;
3; Mismatches 2; Indels
 NUMBER OF SEQ ID NOS: 43008
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2367
LENGTH: 762
 PRIOR APPLICATION NUMBER: 60/337,358
PRIOR FILING DATE: 2001-12-04
NUMBER OF SEQ ID NOS: 736
 Miller, Philip W.
Padmavathi, Manchikanti
McKiel, Christine L.
 Parnell, Laurence D.
Start, William G.
 58.1%;
 Yang, Chunzhi
Zeng, Xiaoping
Zhang, Qiang
Zhao, Yajuan
Zhou, Li
 Query Match
Best Local Similarity 50.0
Matches 5; Conservative
 Tennesen, Dan
Vidya, K.R.
Wang, Haiyun
Xin, Zhanguo
Xu, Nanfei
 387 CRLVITKSCR 396
 3 CRIVVIRVCR 12
 TYPE: PRT; ORGANISM: Oryza sativa
US-10-310-154-583
 TYPE: PRT
, ORGANISM: DROSOPHILA
US-11-097-143-2367
 Miller,
 JS-11-097-143-2367
 SEQ ID NO 583
 APPLICANT
 APPLICANT
 RESULT 87
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Gaps

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APPLICANT: Li, Fing
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
FILE REFERENCE: 38-21(53221)B
CURRENT APPLICATION NUMBER: US/10/437,963
CURRENT PILING DATE: 2003-05-14
NUMBER OF SEQ ID NOS: 204966
SEQ ID NO 147668
 APPLICANT: La Rosal.
APPLICANT: La Rosal.
APPLICANT: La Rovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(53222)B
CURRENT APPLICATION NUMBER: US/10/425,115
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 369326
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 Query Match 56.5%; Score 35; DB 4; Length 45; Best Local Similarity 63.6%; Pred. No. 2e+02; Matches 7; Conservative 1; Mismatches 3; Indels
 Score 35; DB 4; Length 45;
Pred. No. 2e+02;
1; Mismatches 2; Indels
 ; OTHER INFORMATION: Clone ID: PAT_MRT4530_48175C.1.pep
US-10-437-963-147668
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US-10-425-115-212062
 Sequence 147668, Application US/10437963
Publication No. US20040123343A1
GENERAL INFORMATION:
APPLICANT: La Rosa, Thomas J.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
APPLICANT: Wu, Wei
 Sequence 212062, Application US/10425115
Publication No. US20040214272A1
GENERAL INFORMATION:
 Boukharov, Andrey A.
Barbazuk, Brad
 56.5%;
 Query Match 56.5
Best Local Similarity 70.0
Matches 7; Conservative
 2 LCRIVVIRVCR 12
 33 LCIQIVSRVCR 43
 1 RLCRIVVIRV 10
3 CRIWIRVCR 12
 | :|::|:|
29 CDLVILRLCK 38
 11 ŘĽČŘVÝVPHÝ 20
 TYPE: PRT
ORGANISM: Oryza sativa
 ORGANISM: Zea mays
 US-10-437-963-147668
 US-10-425-115-212062
 SEQ ID NO 212062
 APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
 RESULT 93
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 Sequence 103972, Application US/10437963
; Sequence 103972, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Cao, Vinua
 APPLICANT: Cao, Vonqwei
 APPLICANT: Application, Andrey A.
 APPLICANT: Barbazuk, Brad
 APPLICANT: Li, Ping
 TITLE OF INVENTION: Rice Nucleic Acid Molecules and Other Molecules Associated With
 TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 CURRENT FILING DATE: 2003-05-14
 CURRENT FILING DATE: 2003-05-14
 SEQ ID NOS: 204966
 SEQ ID NOS: 204966
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 Length 861;
 Query Match 56.5%; Score 35; DB 4; Length 42; Best Local Similarity 40.0%; Pred. No. 1.9e+02; Matches 4; Conservative 5; Mismatches 1; Indels
 Query Match 58.1%; Score 36; DB 4; Length 861
Best Local Similarity 54.5%; Pred. No. 2.2e+03;
Matches 6; Conservative 2; Mismatches 3; Indels
 Indels
 ; OTHER INFORMATION: Clone ID: PAT_MRT4530_101350C.1.pep
US-10-437-963-103972
 APPLICANT: ROSE, Howard A.
APPLICANT: Mullins, James I.
TITLE OF INVENTION: ANCESTRAL VIRUSES AND VACCINES
FILE REFERENCE: 08987-011001
CURRENT APPLICATION NUMBER: US/10/441,926
CURRENT FILING DATE: 2003-05-19
PRIOR APPLICATION NUMBER: PCT/US01/05288
PRIOR APPLICATION NUMBER: DCT/US01/05288
PRIOR APPLICATION NUMBER: US 60/183,659
PRIOR FILING DATE: 2000-02-18
NUMBER OF SEO ID NOS: 42
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 24
LENGTH: 861
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 ; OTHER INFORMATION: Artificially generated peptide
US-10-441-926-24
 2; Mismatches
 US-10-441-926-24
Sequence 24, Application US/10441926
Publication No. US20040115621A1
GENERAL INFORMATION:
APPLICANT: Redrigo, Allen
 ORGANISM: Artificial Sequence
 6; Conservative
 147 RNCRILTIAIC 157
 147 RNCRILLIAIC 157
 1 RECRIVOIRUC 11
 1 RLCRIVVIRVC 11
 TYPE: PRT
ORGANISM: Oryza sativa
 Matches
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Sequence 302041, Application US/10425115
; Sequence 302041, Application US/10425115
; Publication No. US20040214272A1
; GENERAL INFORMATION:
; APPLICANT: La Rosa, Thomas J.
; APPLICANT: Zhou, Yihua
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
; TITLE OF INVENTION: Plants
; TITLE OF INVENTION: NUMBER: US/10/425,115
; CURRENT APPLICATION NUMBER: US/10/425,115
; CURRENT FILING DATE: 2003-04-28
; NUMBER OF SEQ ID NOS: 369326
; SEQ ID NO 302041
APPLICANT: La Rosa, Thomas J.
APPLICANT: Kovalic, David K.
APPLICANT: Zhou, Yihua
APPLICANT: Cao, Yongwei
TITLE OF INVENTION: Plants
FILE REFERENCE: 38-21(5322) B
CURRENT APPLICATION NUMBER: US/10/425,115
NUMBER OF SEQ ID NOS: 369326
SEQ ID NO 203122
LENGTH: 59
 US-10-425-115-334918

Sequence 334918, Application US/10425115

Publication No. US20040214272A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: Zhou, Yihua

APPLICANT: Zhou, Yihua

APPLICANT: Cao, Yongwei

TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
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 Query Match 56.5%; Score 35; DB 4; Length 59; Best Local Similarity 66.7%; Pred. No. 2.6e+02; Matches 6; Conservative 2; Mismatches 1; Indels
 Length 74;
 2; Indels
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LOCATION: (1)..(59)
FEATURE INFORMATION: unsure at all Xaa locations
FEATURE:
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 Query Match 56.5
Best Local Similarity 45.5
Matches 5; Conservative
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39 LCRLIILITR 49
 2 LCRIVVIRVCR 12
 49 RICRLIKIR 57
 1 RLCRIVVIR 9
 ORGANISM: Zea mays
 TYPE: PRT
ORGANISM: Zea mays
 TYPE: PRT
 FEATURE:
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 Sequence 163209, Application US/10437963
; Publication No. US20040123343A1
; GENERAL INFORMATION:
 APPLICANT: La Rosa, Thomas J.
 APPLICANT: Cao, Vibua
 APPLICANT: Cao, Yongwei
 APPLICANT: Boukharov, Andrey A.
 APPLICANT: Brobazuk, Brad
 APPLICANT: Brobazuk, Brad
 APPLICANT: Li, Ping
 TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
 TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
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 TURRENT FILING DATE: 2003-05-14
 NUMBER OF SEQ ID NOS: 204966
; SEQ ID NO 163209

 Sequence 240399, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION: US20040031072A1
GENERAL INFORMATION: David K
APPLICANT: ANO Yihua
APPLICANT: ANO YIHUA
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Blants and Uses Thereof for Plant Improvement
FILE REFERENCE: 32 21 (53223) B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 240399
LENGTH: 51
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Best Local Similarity 55.6
Matches 5, Conservative
 Best Local Similarity 54.5
Matches 6, Conservative
 40 RTCKLSVIRSC 50
 1 RLCRIVVIRVC 11
 TYPE: PRT
ORGANISM: Oryza sativa
 | :|:||:|
18 CIVVIIRLC 26
 3 CRIVVIRVC 11
 TYPE: PRT
ORGANISM: Glycine max
 US-10-424-599-240399
 US-10-424-599-240399
 US-10-437-963-163209
 Query Match
 FEATURE:
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 US-10-425-115-356702

US-10-425-115-356702

Sequence 356702, Application US/10425115

Sequence 356702, Application US/10425115

Publication No. US20040214272A1

GENERAL INFORMATION:

APPLICANT: La Rosa, Thomas J.

APPLICANT: La Rosa, Thomas J.

APPLICANT: La Rosa, Thomas J.

TITLE OF INVENTION: Plants

TITLE OF INVENTION: Plants

TITLE OF INVENTION: Plants

TITLE REFERENCE: 38-21(5322)B

CURRENT APPLICATION NUMBER: US/10/425,115

CURRENT APPLICATION NUMBER: US/10/425,115

CURRENT PILING DATE: 2003-04-28

SEQ ID NO 356702

LENGTH: 87

LENGTH: 87

LENGTH: 87
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Sequence 359307, Application US/10425115
Sequence 359307, Application No. USZ0040214272A1
SENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: La Rossa, Thomas J.
APPLICANT: Cahou, Yihua
APPLICANT: Zhou, Yihua
APPLICANT: Caho, Yongwei
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
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TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
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TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated With
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CURRENT FILING DATE: 2003-04-28
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LENGTH: 84
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Best Local Similarity 50.0
Matches 5; Conservative
 2 LCRIVVIRVC 11
 :| :: |}||
70 VCGLITIRVC 79
 46 RFCRIVLLR 54
 1 RLCRIVVIR 9
 ORGANISM: Zea mays
 FEATURE:
NAME/KEY: unsure
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Scoring table:

Searched:

Database

Title: Perfect score:

Sequence:

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Run on:

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sequence seq
 Sequence
Sequence
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Sequence
 Sequence Seq
Sequence 1, Appli
Sequence 17, Appl
Sequence 9, Appli
Sequence 1022, Appli
Sequence 1022, Appli
Sequence 1022, Appli
Sequence 1031, Appli
Sequence 13, Appli
Sequence 14, Appli
Sequence 15, Appli
Sequence 16, Appli
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Sequence 18, Appli
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Sequence 10, Appli
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 GenCore version 5.1.7
Copyright (c) 1993 - 2006 Biocceleration Ltd.
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US-09-082-420-17

US-09-282-277-9

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US-09-623-548A-1031

US-09-623-548A-1031

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US-09-657-276-1021

US-09-657-276-1021

US-09-657-276-1031

US-09-682-420-18

US-09-082-420-18

US-09-082-420-18

US-09-082-420-13

US-09-082-420-14

 US-09-030-619-127
US-10-225-087-118
US-09-082-420-8
 Total number of hits satisfying chosen parameters:
 572060 seqs, 82675679 residues
 SUMMARIES
 Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 100 summaries
 February 15, 2006, 11:10:31
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 BLOSUM62
Gapop 10.0 , Gapext 0.5
 Issued Patents AA:*
 Minimum DB seq length: 0
Maximum DB seq length: 200000000
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 US-10-657-851-37
62
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Match Length
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Score

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Result

115, App 50, Appli 3, Appli 3, Appli 6846, Ap 30, Ap 1019, Ap 1019, Ap 16503, Ap

50263, A 2376, Ap 56833, A 33011, A 48228, A 35184, A 50401, A

4573, Ap

51.5 51.5 51.5

47.5

28, Appl 28, Appl 7232, Ap 8, Appli

6570, Ap 3039, Ap 19531, Ap 19531, Ap 60996, A 35000, A 55711, Ap 55711, Ap 37838, A 53055, A 56289, A

Application US/09030619B

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Best Local Similarity 100.0%; Pred. No. 0.0011;
Matches 12; Conservative 0; Mismatches 0; Indels
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 Sequence 1 Application US/09082420
| Patent No. 6172185 |
| GENERAL INPORMATION. |
| APPLICANT: Wu. Manhong |
| TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE |
| TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE |
| TITLE OF INVENTION: DERIVATIVES OF BACTENECIN |
| FILE REFERENCE: 07422/01701 |
| CURRENT FILING DATE: 1998-05-20 |
| NUMBER OF SEQ ID NOS: 20 |
| SEQ ID NO: 20 |
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| SEQ ID NO: 12 |
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GENERAL INFORMATION:
APPLICANT: Hancock, Robert E. W.
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/017001
CURRENT APPLICATION NUMBER: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 17
LENGTH: 12
 ; OTHER INFORMATION: cationic antimicrobial peptide
US-09-082-420-1
 OTHER INFORMATION: cationic antimicrobial peptide
 FEATURE:

NAME/KEY: ANIDATION

LOCATION: (0)...(0)

OTHER INFORMATION: amidated Arg at C-terminus
US-09-082-420-17
 ALIGNMENTS
 ORGANISM: Artificial Sequence
 ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 12; Conservative
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 1 RLCRIVVIRVCR 12
 US-09-082-420-17
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US-09-082-420-1
 TYPE: PRT
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US-09-030-619-161

RESULT 3

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APPLICANT: Krieger, Timothy J.
APPLICANT: Taylor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Briefel, Douglas
APPLICANT: West, Michael H.P.
APPLICANT: West, Michael H.P.
APPLICANT: Work, Michael H.P.
APPLICANT: Work M
 | Sequence
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 Gaps
 Gaps
 OTHER INFORMATION: Description of Artificial Sequence:non-amidated OTHER INFORMATION: bactenecin
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 100.0%; Score 62; DB 2; Length 12; 100.0%; Pred. No. 0.0011; ive 0; Mismatches 0; Indels
 100.0%; Score 62; DB 2; Length 12; 100.0%; Pred. No. 0.0011; cive 0; Mismatches 0; Indels
 FastSEQ for Windows Version 3.0
 RESULT 5
US-09-917-340-37
Sequence 37, Application US/09917340
Patent No. 6696238
GENERAL INFORMATION:
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match
Best Local Similarity 100.
 Query Match
Best Local Similarity 100.
Matches 12; Conservative
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 TYPE: PRT
ORGANISM: Bos taurus
Patent No. 6503881
GENERAL INFORMATION:
APPLICANT: Krieger,
 US-09-030-619-161
 SOFTWARE: Far
SEQ ID NO 161
LENGTH: 12
 RESULT 4
US-09-282-277-9
 SEQ ID NO 9
LENGTH: 12
```

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Sequence 1031, Application US/09623548A Patent No. 6849714
GENERAL INFORMATION:
APPLICANT: Conjuchem, Inc.
APPLICANT: Eridon, Dominique
APPLICANT: Eridon, Alan
 US-09-657-276_1022

; Sequence X022, Application US/09657276

; Patent No. 6887470

; GENERAL INFORMATION:

; APPLICANT: Conjuchem, Inc.
 ORGANISM: Artificial Sequence
 Query Match 100.
Best Local Similarity 100.
Matches 12; Conservative
 1 RLCRIVVIRVCR 12
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 Sequence 1022, Application US/09623548A

Sequence 1022, Application US/09623548A

Sequence 1022, Application US/09623548A

Sequence No. 6849714

GENERAL INFORMATION:
APPLICANT: Conjuchem, Inc.
APPLICANT: Ezrin, Alan
APPLICANT: Ezrin, Alan
APPLICANT: Holmes, Darren
APPLICANT: Thibaudeau, Karen
TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
TITLE OF INVENTION: COMPONENTS
FILE REFREENCE: 2110
CURRENT APPLICATION NUMBER: US/09/623,548A
CURRENT PILING DATE: 1999-05-17
FRIOR FILING DATE: 1999-05-17
FRIOR FILING DATE: 1999-05-10
FRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 1617
SOFTWARE: PATENTIN VET. 2.1
SEQ ID NO 1022
LENGTH: 12
 Gaps
 OTHER INFORMATION: Description of Artificial Sequence: Synthetic porter InfoRMATION: Peptide US-09-623-548A-1022
 ;
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 100.0%; Score 62; DB 2; Length 12; 100.0%; Pred. No. 0.0011; tive 0; Mismatches 0; Indels
 100.0%; Score 62; DB 2; Length 12; 100.0%; Pred. No. 0.0011; tive 0; Mismatches 0; Indels
APPLICANT: Murphy, Christopher J.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: Reid, Ted W.
TITLE OF INVENTION: Transplant Media
TITLE REPERENCE: TPLANT-06468
CURRENT APPLICATION NUMBER: US/09/917,340
CURRENT FILING DATE: 2001-07-29
PRIOR PILING DATE: 2000-07-28
PRIOR FILING DATE: 2000-07-28
PRIOR FILING DATE: 2000-11-17
PRIOR PILING DATE: 2000-11-17
PRIOR PILING DATE: 2001-05-15
PRIOR FILING DATE: 2001-05-15
PRIOR FILING DATE: 2001-05-15
SPRIOR FILING DATE: 2001-05-15
SPRIOR FILING DATE: 2001-05-15
SPRIOR FILING DATE: 2001-05-15
NUMBER OF SEQ ID NOS: 96
SOFTWARE: PATENTIN Ver. 2.0
 12; Conservative
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match 100.
Best Local Similarity 100.
Matches 12; Conservative
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 ; ORGANISM: Bos taurus
US-09-917-340-37
 Query Match
Best Local Similarity
Matches 12; Conserv
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APPLICANE:

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APPLICANT:

Bridon, Dominique

APPLICANT:

Bridon, Dominique

APPLICANT:

Bridon, Dominique

APPLICANT:

APPLICANT:

Holmes, Darren

APPLICANT:

Holmes, Darren

APPLICANT:

Holmes, Darren

TITLE OF INVENTION:

PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM

TITLE OF INVENTION:

PROPONENTS

TITLE OF INVENTION:

CURRENT APPLICATION NUMBER:

CURRENT APPLICATION NUMBER:

CURRENT APPLICATION NUMBER:

CURRENT APPLICATION NUMBER:

FRIOR APPLICATION NUMBER:

FRIOR APPLICATION NUMBER:

FRIOR FILING DATE:

PROPONENTION DATE:

PROPONENTION DATE:

PROPONENTION DATE:

SOFTWARE:

PROPONENTION DATE:

SOFTWARE:

SOFT
APPLICANT: Bridon, Dominique
APPLICANT: Bridon, Dominique
APPLICANT: Miner, Peter
APPLICANT: Miner, Peter
APPLICANT: Holmes, Darren
APPLICANT: Holmes, Darren
APPLICANT: Holmes, Darren
TITLE OF INVENTION: PROTECTION OF ENDOCENOUS THERAPEUTIC PEPTIDES FROM
TITLE OF INVENTION: COMPONENTS
TITLE OF INVENTION: COMPONENTS
FILE REPRESENCE: 2110
CURRENT APPLICATION NUMBER: US/09/623,548A
CURRENT APPLICATION NUMBER: 60/134,406
PRIOR PILING DATE: 1999-09-10
PRIOR PPLING DATE: 1999-09-10
PRIOR PPLING DATE: 1999-09-10
PRIOR APPLICATION NUMBER: 60/153,406
PRIOR PILING DATE: 1999-10-11
NUMBER OF SEQ ID NOS: 1617
SSOFINARS: Patentin Ver: 2.1
 Gaps
 CTHER INFORMATION: Description of Artificial Sequence: Synthetic; OTHER INFORMATION: Peptide
US-09-623-548A-1031
 ö
 100.0%; Score 62; DB 2; Length 12; 100.0%; Pred. No. 0.0011; tive 0; Mismatches 0; Indels
 TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
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Gaps

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us-10-657-851-37.rai

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Query Match 100.0%; Score 62, DB 2; Length 14; Best Local Similarity 100.0%; Pred. No. 0.0013; Matches 12; Conservative 0; Mismatches 0; Indels
 100.0%; Score 62; DB 2; Length 18; 100.0%; Pred. No. 0.0016; ive 0; Mismatches 0; Indels
 100.0%; Score 62; DB 2; Length 12; 100.0%; Pred. No. 0.0011;
 0; Indels
 APPLICANT: Hancock, Robert E. W.
APPLICANT: Hancock, Robert E. W.
APPLICANT: Wu, Manhong
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/017001
CURRENT APPLICATION NUMBER: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FASTSEQ for Windows Version 4.0
 APPLICANT: Hancock, Robert E. W.
APPLICANT: Hancock, Robert E. W.
APPLICANT: Wu, Manhong
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/01701
CURRENT APPLICATION NUMBER: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FASTESQ for Windows Version 4.0
 ; OTHER INFORMATION: cationic antimicrobial peptide
US-09-082-420-18
 ; FEATURE:
; OTHER INFORMATION: cationic antimicrobial peptide
US-09-082-420-11
 0; Mismatches
 ; Sequence 11, Application US/09082420; Patent No. 6172185; GENERAL INFORMATION:
 US-09-082-420-18; Sequence 18, Application US/09082420; Patent No. 617185; GRIKRAL INFORMATION:
 TYPE: PRT
ORGANISM: Artificial Sequence
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match
Best Local Similarity 100.v.
...hes 12; Conservative
 Query Match 100.
Best Local Similarity 100.
Matches 12; Conservative
 2 RLCRIVVIRVCR 13
 1 RLCRIVVIRVCR 12
 12
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR
 ORGANISM: Bos taurus
 ; US-09-444-281-42
 US-09-082-420-11
 SEQ ID NO 18
LENGTH: 18
 SEQ ID NO 11
 RESULT 11
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 ö
 APPLICANT: Ezrin, Alan
APPLICANT: Ezrin, Alan
APPLICANT: Milner, Peter
APPLICANT: Holmes, Darren
APPLICANT: Thibaudeau, Karen
TITLE OF INVENTION: PROTECTION OF ENDOGENOUS THERAPEUTIC PEPTIDES FROM
TITLE OF INVENTION: PEPTIDASE ACTIVITY THROUGH CONJUGATION TO BLOOD
TITLE OF INVENTION: COMPONENTS
FILE REFERENCE: 210
CURRENT PELICATION NUMBER: 06/134,406
PRIOR PELICATION NUMBER: 60/134,406
PRIOR PELICATION NUMBER: 60/134,406
PRIOR APPLICATION NUMBER: 60/134,406
PRIOR PELING DATE: 1999-09-10
PRIOR PELING DATE: 1999-09-10
PRIOR FILING DATE: 1999-10-10
SPRIOR FILING DATE: 1999-10-18
NUMBER OF SEQ ID NOS: 1617
SOFTWARE: PATENTIN VET: 2.1
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 APPLICANT: Bartfeld, Daniel
APPLICANT: Bartfeld, Daniel
TITLE OF INVENTION: EFFICIENT METHODS FOR PRODUCING
TITLE OF INVENTION: EFFICIENT METHODS FOR PRODUCING
TITLE OF INVENTION: ANY MIMICROBIAL CATIONIC PEPTIDES IN HOST CELLS
FILE REFERENCE: 660081.411
CURRENT APPLICATION NUMBER: US/09/444,281
CURRENT FILING DATE: 1999-11-19
NUMBER OF SEQ ID NOS: 113
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 42
LENGTH: 12
TYPE: PRT
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic; ; OTHER INFORMATION: Peptide US-09-657-276-1022
 OTHER INFORMATION: Description of Artificial Sequence: Synthetic OTHER INFORMATION: Peptide
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0
 Ouery Match 100.0%; Score 62; DB 2; Length 12; Best Local Similarity 100.0%; Pred. No. 0.0011; Matches 12; Conservative 0; Mismatches 0; Indels
 100.0%; Score 62; DB 2; Length 12; 100.0%; Pred. No. 0.0011;
 0; Indels
 0; Mismatches
 Sequence 1031, Application US/09657276; Patent No. 6897470; GENERAL INFORMATION: APPLICANT: Conjuchem, Inc.; APPLICANT: Bridon, Dominique; APPLICANT: Ezin, Alan
 RESULT 10
US-09-444-281-42
Sequence 42, Application US/09444281
Parent No. 6946261
GENERAL INFORMATION:
 ORGANISM: Artificial Sequence
 Query Match 100.
Best Local Similarity 100.
Matches 12; Conservative
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 US-09-657-276-1031
 US-09-657-276-1031
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 Length 13;
 11arity 91.7%; Pred. No. 0.04;
Conservative 0; Mismatchen
 0; Indels
US-09-082-420-3
; Sequence 3, Application US/09082420
; Sequence 3, Application US/09082420
; Patent No. 6172185
; GENERAL INFORMATION:
; APPLICANT: Hancock, Robert E. W.
; APPLICANT: Wu, Manhong INTILE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE;
; TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE;
; TITLE OF INVENTION: PERIVATIVES OF BACTENECIN
; TITLE OF PAPLICATION NUMBER: US/09/082,420
; CURRENT PELLING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 20
; SEQ ID NOS: 20
 APPLICANT: Mancock, Robert E. W.
APPLICANT: Wu, Manhong
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: DERLYATIVES OF BACTENECIN
FILE REFERENCE: 07422/01701
CURRENT APPLICATION UNMERS: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 12
LENGTH: 13
 FEATURE: OTHER INFORMATION: cationic antimicrobial peptide
 GENERAL INFORMATION:
APPLICANT: Hancock, Robert E. W.
APPLICANT: WIN, MANHONG
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
 OTHER INFORMATION: cationic antimicrobial peptide
 83.1%; Score 51.5; DB 2; 92.3%; Pred. No. 0.052;
 ; LOCATION: (0) ...(0)
; OTHER INFORMATION: amidated Arg at C-terminus
US-09-082-420-3
 0; Mismatches
 US-09-082-420-12; Sequence 12, Application US/09082420; Patent No. 6172185; GENERAL INFORMATION:
 RESULT 17
US-09-082-420-13
Sequence 13, Application US/09082420
Patent No. 6172185
 TYPE: PRT
ORGANISM: Artificial Sequence
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match 83.1
Best Local Similarity 92.3
Matches 12; Conservative
 1 RLCRIV-VIRVCR 12
 1 RLCRÍVPVÍRVCR 13
 1 RLCRIVVIRVCR 12
 1 RLSRIVVIRVCR 12
 Query Match
Best Local Similarity
 NAME/KEY: AMIDATION
 US-09-082-420-12
 FEATURE:
 RESULT 16
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 ò
 Sequence 3, Application US/09282277

Fatent No. 6630197

GENERAL INFORMATION

APPLICANT: Wood Thomas K.

APPLICANT: The Regents of the University of California

APPLICANT: The Regents of the University of California

APPLICANT: The Regents of the University of California

TITLE OF INVENTION: Degradation of Sulfate-Reducing-Bacteria-Mediated

TITLE OF INVENTION: Degradation Using Bacteria Which Secrete Antimicrobials

TITLE OF INVENTION: UNWERR: US/09/282,277

CURRENT APPLICATION NUMBER: US 09/074,037

EARLIER FILING DATE: 1999-03-31

EARLIER FILING DATE: 1999-05-06

NUMBER OF SEQ ID NOS: 9

SOSTWARE: PATENTIN Ver. 2.0
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 OTHER INFORMATION: Description of Artificial Sequence:pro-bactenecin OTHER INFORMATION: pro-region and bactenecin
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 100.0%; Score 62; DB 2; Length 155; 100.0%; Pred. No. 0.011; ve 0; Mismatches 0; Indels
 100.0%; Pred. ...
 Geguence 29, Application US/09917340
Patent No. 6696238
GENERAL INFORMATION:
APPLICANT: Murphy, Christopher J.
APPLICANT: McAnulty, Jonathan F.
APPLICANT: Reid, Ted W.
TITLE OF INVENTION: Transplant Media
FILE REFERENCE: TPLANT-06468
CURRENT FILING DATE: 2001-07-29
PRIOR APPLICATION NUMBER: 60/221,632
PRIOR FILING DATE: 2000-07-28
PRIOR FILING DATE: 2000-07-28
PRIOR FILING DATE: 2000-11-17
PRIOR FILING DATE: 2000-11-17
PRIOR FILING DATE: 2000-11-17
PRIOR FILING DATE: 2000-11-17
 ORGANISM: Artificial Sequence
 NUMBER OF SEQ ID NOS: 96
SOFTWARE: Patentin Ver. 2.0
 Query Match
Best Local Similarity 100.
 144 RLCRIVVIRVCR 155
 14 RLCRIVVIRVCR 25
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 Query Match
Best Local Similarity
Matches 12; Conserv
 TYPE: PRT
ORGANISM: Bos taurus
US-09-917-340-29
 US-09-917-340-29
 SEQ ID NO 29
 SEQ ID NO 3
 TYPE: PRT
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RESULT 15

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Query Match 79.0%; Score 49; DB 2; Length 14; Best Local Similarity 83.3%; Pred. No. 0.13; Matches 10; Conservative 0; Mismatches 2; Indels
 79.0%; Score 49; DB 2; Length 12; 83.3%; Pred. No. 0.12;
 Length 12;
 2; Indels
 Sequence 20, Application US/09082420
; Patent No. 6172185
; GENERAL INPORMATION:
; APPLICANT: Wu, Manhong
; TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
; TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
; FILE REPERENCE: 07422/01701
; CURRENT APPLICATION NUMBER: US/09/082,420
; CURRENT FILING DATE: 1998-05-20
; NUMBER OF ESQ ID NOS: 20
; SOFTWARE: FRASEQ FOR Windows Version 4.0
 ; FEATURE:
; OTHER INFORMATION: cationic antimicrobial peptide
185-09-082-420-9
 OTHER INFORMATION: cationic antimicrobial peptide
 ; OTHER INFORMATION: cationic antimicrobial peptide US-09-082-420-20
 CATIONIC PEPTIDE
 APPLICANT: HANCOCK, ROBERT E. W.
APPLICANT: Hancock, Robert E. W.
APPLICANT: Hu, Manhong
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTII;
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/017001
CURRENT APPLICATION NUMBER: US/09/082,420
CURRENT FILLING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
NUMBER: FastSEQ for Windows Version 4.0
 Score 49; DB 2;
Pred. No. 0.12;
0; Mismatches
 FEATURE:
NAME/KEY: AMIDATION
LOCATION: (0)...(0)
OTHER INFORMATION: amidated Arg at C-terminus
 0; Mismatches
 RESULT 21
US-092-082-420-9
; Sequence 9, Application US/09082420
; Patent No. 6172185
 ORGANISM: Artificial Sequence
 ORGANISM: Artificial Sequence
 Query Match 79.0%;
Best Local Similarity 83.3%;
Matches 10; Conservative
 Query Match 79.0
Best Local Similarity 83.3
Matches 10, Conservative
 1 RLCRIVVIRVCR 12
 1 RRCPIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 1 RRCPIVVIRVCR 12
 RESULT 20
US-09-082-420-20
 US-09-082-420-5
 SEQ ID NO 20
LENGTH: 12
 LENGTH: 14
 SEQ ID NO 9
 TYPE: PRT
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 83.1%; Score 51.5; DB 2; Length 13; 92.3%; Pred. No. 0.052; tive 0; Mismatches 0; Indels
 Query Match

83.1%; Score 51.5; DB 2; Length 15;
Best Local Similarity 92.3%; Pred. No. 0.059;
Matches 12; Conservative 0; Mismatches 0; Indels
 Gequence 5 Application US/09082420

Patent No. 6172185

GENERAL INFORMATION:
APPLICANT: Hancock, Robert E. W.
APPLICANT: Hancock, Robert E. W.
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE;
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE;
FILE REFERENT APPLICATION NUMBER: US/09/082,420

CURRENT FILING DATE: 1998-05-20

NUMBER OF SEQ ID NOS: 20

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 5

LENGTH: 12
 GENERAL INFORMATION:
APPLICANT: Hancock, Robert E. W.
APPLICANT: Wanhong;
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/017001
CURRENT APPLICATION NUMBER: US/09/082,420
CURRENT PLING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 14
LENGTH: 15
 OTHER INFORMATION: cationic antimicrobial peptide
 ; OTHER INFORMATION: cationic antimicrobial peptide
US-09-082-420-14
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN FILE REFERENCE: 07422/017001
CURRENT APPLICATION NUMBER: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 13
LENGTH: 13
 Sequence 14, Application US/09082420 Patent No. 6172185
 TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
 TYPE: PRT
ORGANISM: Artificial Sequence
 ORGANISM: Artificial Sequence
 1 RLCRIV-VIRVCR 12
 2 RLCRIVWVIRVCR 14
 Query Match
Best Local Similarity 92.3
Matches 12; Conservative
 1 RLCRIV-VIRVCR 12
 1 RECRIVAVIRVOR 13
 RESULT 18
US-09-082-420-14
 US-09-082-420-13
 US-09-082-420-5
 PRT
 FEATURE:
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Sequence 2, Application US/09082420 Patent No. 6172185
 Query Match 71.0
Best Local Similarity 83.3
Matches 10; Conservative
 Best Local Similarity 83.3
Matches 10; Conservative
 1 RLARIVVIRVAR 12
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 1 RLARIVVIRVAR 12
 GENERAL INFORMATION:
 US-09-030-619-127
 US-09-030-619-127
 Query Match
 FEATURE:
 FEATURE:
 FEATURE:
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 US-09-904-753-12

| Sequence 12, Application US/09904753
| Sequence 12, Application US/09904753
| Patent No. 6872705
| Patent No. 6872705
| Patent No. 6872705
| Patent No. 6872705
| TITLE OF INVENTION: Use of Antimicrobal Peptides as Preservatives in TITLE OF INVENTION: Emulsions, and Suspentions
| TITLE OF INVENTION: Ophthalmic Preparations
| TITLE OF INVENTION: DATE: 2010-07-13
| PRIOR PILING DATE: 1996-08-22
| WUMBER OF SEQ ID NOS: 14
| SEQ ID NO 12
| LENGTH: 11
 Gaps
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 76.6%; Score 47.5; DB 2; Length 11; 91.7%; Pred. No. 0.18; 0; Indels ive 0; Mismatches 0; Indels
 Length 12;
 2; Indels
 GENERAL INFORMATION:
APPLICANT: Hancock, Robert E. W.
APPLICANT: W., Manhong;
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE;
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE;
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/017001
CURRENT APPLICATION NUMBER: US/09/082,420
CURRENT PILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOUTHARE: PASELSEQ for Windows Version 4.0
SEQ ID NO 6
SEQ ID NO 6
 OTHER INFORMATION: cationic antimicrobial peptide
 72.6%; Score 45; DB 2; 75.0%; Pred. No. 0.49; rative 1; Mismatches
 ; LOCATION: (0)...(0)
; OTHER INFORMATION: amidated Arg at C-terminus US-09-420-6
 Sequence 6, Application US/09082420 Patent No. 6172185
 ORGANISM: Artificial Sequence
 Query Match 76.6
Best Local Similarity 91.7
Matches 11; Conservative
RLCRIVVIRVCR 12
 2 RRCPIVVIRVCR 13
 9; Conservative
 1 RLCRIVVIRVCR 12
 1 RLCR-WIRVCR 11
 1 RLCRIVVIRVCR 12
 Query Match
Best Local Similarity
 FEATURE:
NAME/KEY: AMIDATION
 ; TYPE: PRT
; ORGANISM: COW
US-09-904-753-12
 US-09-082-420-6
 TYPE: PRT
 Matches
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RESULT 24 US-09-082-420-2

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Sequence 127, Application US/09030619B
Patent No. 6503881
GENERAL INFORMATION
GENERAL INFORMATION
GENERAL INFORMATION
GENERAL INFORMATION
GENERAL Taylor, Robert
APPLICANT: Taylor, Robert
APPLICANT: Exfer, Jonet B.
APPLICANT: Fraser, Janet H.P.
APPLICANT: McNicol, Patricia J.
TITLE OF INVENTION: COMPOSITIONS USING CATIONIC PEPTIDES ALONE OR IN COMBINATION
TITLE OF INVENTION: WITH ANTIBIOTICS
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 Gaps
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 71.0%; Score 44; DB 2; Length 12; 83.3%; Pred. No. 0.69; ive 0; Mismatches 2; Indels
 71.0%; Score 44; DB 2; Length 12; 83.3%; Pred. No. 0.69;
 2; Indels
APPLICANT: Hancock, Robert E. W.
APPLICANT: Wu, Manhong
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/01701
CURRENT APPLICATION UMBER: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 2
SEQ ID NO 2
 OTHER INFORMATION: cationic antimicrobial peptide
 NAME/KEY: AMIDATION
LOCATION: (0)...(0)
OTHER INFORMATION: amidated Arg at C-terminus
US-09-082-420-2
 OTHER INFORMATION: Cationic Peptide Analogue
 0; Mismatches
 FILE REFERENCE: 660081.406
CURRENT APPLICATION NUMBER: US/09/030,619B
CURRENT FILING DATE: 1998-02-25
NUMBER OF SEQ ID NOS: 232
SEQ ID NO 127
LENGTH: 12
 ; Sequence 118, Application US/10225087
; Patent No. 6835536
 TYPE: PRT
ORGANISM: Artificial Sequence
 TYPE: PRT
ORGANISM: Artificial Sequence
 US-10-225-087-118
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Gaps

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Length 12;
 2; Indels
 Length 12;
 2; Indels
 J. Sequence 19, Application US/09082420

j. Sequence 19, Application US/09082420

j. Patent No. 6172183;

GENERAL INFORMATION:

APPLICANT: Hancock, Robert E. W.

APPLICANT: Hancock, Robert E. W.

TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE

TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE

TITLE OF INVENTION: DERIVATIVES OF BACTENECIN

FILE REFERENCE: 07422/017001

CURRENT FILING DATE: 1998-05-20

NUMBER OF SEQ ID NOS: 20

SOFTWARE: FastSEQ for Windows Version 4.0
 APPLICANT: Warner B. W.
APPLICANT: Wu, Manhong
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE OF INVENTION DERIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/01701
CURRENT APPLICATION NUMBER: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 7
 FEATURE: OTHER INFORMATION: cationic antimicrobial peptide
 FEATURE: OTHER INFORMATION: cationic antimicrobial peptide
 ; OTHER INFORMATION: cationic antimicrobial peptide US-09-082-420-19
 Score 42; DB 2;
Pred. No. 1.4;
0; Mismatches
 Score 42; DB 2;
Pred. No. 1.4;
0; Mismatches
 LOCATION: (0)...(0)
OTHER INFORMATION: amidated Arg at C-terminus
 Sequence 7, Application US/09082420 Patent No. 6172185
 TYPE: PRT
ORGANISM: Artificial Sequence
 TYPE: PRT
ORGANISM: Artificial Sequence
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match 67.7%;
Best Local Similarity 83.3%;
Matches 10; Conservative
 Query Match 67.7%;
Best Local Similarity 83.3%;
Matches 10; Conservative
 1 RLCRIVVIRVCR 12
 1 KLSRIVVIRVSR 12
 1 RLCRIVVIRVCR 12
 1 RESRIVVIRVSR 12
 NAME/KEY: AMIDATION
 GENERAL INFORMATION:
 US-09-082-420-7
 US-09-082-420-4
 SEQ ID NO 19
LENGTH: 12
 LENGTH: 12
SEQ ID NO 4
LENGTH: 12
 FEATURE:
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 APPLICANT: Krieger, Timothy J.
APPLICANT: McNicol, Patrica J.
APPLICANT: Fraser, Janet R.
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDES AND
TITLE OF INVENTION: FORMULATIONS THEREOF
FILE REPERENCE: 660081.417
CURRENT APPLICATION NUMBER: US/10/225,087
CURRENT APPLICATION NUMBER: 2003-01-10
NUMBER OF SEQ ID NOS: 121
SOFTWARE: FattSEQ for Windows Version 4.0
SEQ ID NO 18
LENGTH: 12
 Score 44; DB 2; Length 12;
Pred. No. 0.69;
0; Mismatches 2; Indels
 69.4%; Score 43; DB 2; Length 12;
80.0%; Pred. No. 0.99;
tive 1; Mismatches 1; Indels
 APPLICANT: Hancock, Robert E. W.
APPLICANT: Wu, Manhong
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: DERLYMATIVES OF BACTENECIN
FILE REFERENCE: 07422/01701
CURRENT APPLICATION VUMBER: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 8
LENGTH: 12
 APPLICANT: Hancock, Robert E. W.
APPLICANT: Hancock, Robert E. W.
AITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: BRIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/017001
CURRENT APPLICATION NUMBER: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
 , OTHER INFORMATION: cationic antimicrobial peptide US-09-082-420-8
 SOFTWARE: FastSEQ for Windows Version 4.0
 ; OTHER INFORMATION: Indolicidin analog US-10-225-087-118
 Sequence 4, Application US/09082420 Patent No. 6172185 GENERAL INFORMATION:
 US-09-082-420-8
; Sequence 8, Application US/09082420
; Patent No. 6172185
; GENERAL INFORMATION:
 Query Match
Best Local Similarity 83.3%;
Matches 10; Conservative
 TYPE: PRT
ORGANISM: Artificial Sequence
 ORGANISM: Artificial Sequence
 1 RICRIVVIRVCR 12
 1 RLARIVVIRVAR 12
 3 CRIVVIRVCR 12
 3 CPIVVIRVCK 12
 GENERAL INFORMATION:
 US-09-082-420-4
 RESULT 27
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GENERAL INCORMATION:
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS TITLE OF INVENTION: ABUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
CURRENT PAPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR PELLORION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR PELLORION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 30203
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 Length 181;
 58.1%; Score 36; DB 2; Length 152; 60.0%; Pred. No. 1.2e+02; tive 1; Mismatches 3; Indels
 3; Indels
 7
 Score 37; DB 2;
Pred. No. 96;
 1; Mismatches
 Mismatches
 ; OTHER INFORMATION: Xaa means any amino acid US-09-270-767-41347
 Sequence 30203, Application US/09252991A Patent No. 6551795
 RESULT 35
US-09-270-767-56563
US-09-270-767-56563
Sequence 56563, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
 TYPE: PRT
ORGANISM: Drosophila melanogaster
 TYPE: PRT; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-30203
 ó
 59.7%;
 Query Match
Best Local Similarity 63.0
Retrocal 7; Conservative
 1 RLCRIV-VIRVCR 12
 1 RRCPIVWVIRVCR 13
 10; Conservative
 Query Match
Best Local Similarity 60.0
Matches 6; Conservative
 ||| |:| ||
137 LCRRSVVRSCR 147
 2 LCRIVVIRVCR 12
 106 LCECVXVRVC 115
 2 LCRIVVIRVC 11
 RESULT 33
US-09-252-991A-30203
 US-09-270-767-41347
 Matches
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 Gaps
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 65.3%; Score 40.5; DB 2; Length 14; 83.3%; Pred. No. 2.8; 1; Indels tive 0; Mismatches 1; Indels
 Score 38.5; DB 2; Length 13; Pred. No. 5.3;
 Length 12;
 GENERAL INFORMATION:
APPLICANT: Hancock, Robert E. W.
APPLICANT: Hancock, Manhong
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE REPERENCE: 07422/017001
CURRENT APPLICATION NUMBER: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER: OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 15
 OTHER INFORMATION: cationic antimicrobial peptide
 OTHER INFORMATION: cationic antimicrobial peptide
 Score 41; DB 2;
Pred. No. 2;
0; Mismatches
 APPLICANT: Hancock, Robert E. W.
APPLICANT: WL, Manhong
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTII;
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/017001
CURRENT APPLICANTION NUMBER: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 10
LENGTH: 14
 LOCATION: (0)...(0)
CTHER INFORMATION: amidated Arg at C-terminus
US-09-082-420-7
 LOCATION: (0) ...(0)
CTHER INFORMATION: amidated Arg at C-terminus
US-09-082-420-15
 Sequence 10, Application US/09082420
Patent No. 6172185
GENERAL INFORMATION:
 ; Sequence 15, Application US/09082420
; Patent No. 6172185
 Query Match
Best Local Similarity 75.0%;
Matches 9; Conservative
 ORGANISM: Artificial Sequence
 TYPE: PRT
ORGANISM: Artificial Sequence
 62.18;
76.98;
 1 RLCRIVVIRVCR 12
 Best Local Similarity 83.3
Matches 10; Conservative
 1 RLCPRVRIRVCK 12
 1 RLCRIVVIRVCR 12
 3 RLCPI-VIRVCR 13
 Query Match
Best Local Similarity
NAME/KEY: AMIDATION
 NAME/KEY: AMIDATION
 RESULT 31
US-09-082-420-10
 US-09-082-420-10
 US-09-082-420-15
 Query Match
 TYPE: PRT
 q
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GENERAL INFORMATION:
APPLICANT: Gorman, Daniel M.
APPLICANT: Randall, Troy D.
APPLICANT: Zlocnik, Albert
TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED
TITLE OF INVENTION: REAGENTS
NUMBER OF SEQUENCES: 8
CORRESPONDENCE ADDRESS:
 58.1%; Score 36; DB 2; Length 334; 50.0%; Pred. No. 2.4e+02; tive 3; Mismatches 3; Indels
 STAIL.

COUNTRY: USA
ZIP: 94304-1104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OOFERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
CURRENT APPLICATION NUMBER: US/08/911,423
971,ING DATE: 14-AUG-1997
971,ING DATE: 14-AUG-1997
973,419
 E: DNAX Research Institute
901 California Avenue
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/023,419
FILING DATE: 16-AUG-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/027,901
FILING DATE: 07-OCT-1996
 RESULT 38
US-08-911-423-6
Sequence 6, Application US/08911423
; Patent No. 6111090
 LENGTH: 334 amino acids
TYPE: amino acid
 FILING DATE: 07-OCT-1996
ATTORNEY/AGENT INFORMATION:
 Query Match
Best Local Similarity 50.0
Matches 6; Conservative
 1 RLCRIVVIRVCR 12
 1 RLCKIIRKEVCK 12
 STREET: 901 Califor
CITY: Palo Alto
STATE: California
COUNTRY: USA
 US-09-107-532A-4947
 ADDRESSEE:
 FEATURE:
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 Sequence 4947, Application US/09107532A

Patent No. 6583275

GENERAL INFORMATION:
APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO
ENTEROCOCCUS FAECIUM FOR DIAGNOSTICS AND THERAPEUTICS
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 Sequence 45575, Application US/09270767

Batent No. 6703491

GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REPERBUCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT PILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 45575
LENGTH: 318
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 56563
LENGTH: 152
 Gaps
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 58.1%; Score 36; DB 2; Length 318; 50.0%; Pred. No. 2.3e+02; tive 3; Mismatches 2; Indels
 Length 152;
 Score 36; DB 2; Length 152
Pred. No. 1.2e+02;
1; Mismatches 3; Indels
 CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
 , OTHER INFORMATION: Xaa means any amino acid US-09-270-767-45575
 OTHER INFORMATION: Xaa means any amino acid
 ZIP: 02354
COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
COMPUTER: PC
OPERATING SYSTEM: <Unknown>
SOFTWARE: ASCII
 STREET: 100 Beaver Street
 TYPE: PRT
ORGANISM: Drosophila melanogaster
 ORGANISM: Drosophila melanogaster
 CITY: Waltham
STATE: Massachusetts
COUNTRY: USA
 NUMBER OF SEQUENCES: 7310
 58.1%;
60.0%;
 Query Match
Best Local Similarity 60.0
Matches 6; Conservative
 Query Match
Best Local Similarity 50.0
Matches 5; Conservative
 106 LCECVXVRVC 115
 202 CRVLSLRXCR 211
 2 LCRIVVIRVC 11
 3 CRIVVIRVCR 12
 US-09-270-767-45575
 US-09-107-532A-4947
 US-09-270-767-56563
 FEATURE:
 RESULT 37
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Gaps

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CURRENT APPLICATION DATA:

APPLICATION WUBBER: US/09/107,532A
FILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:

APPLICATION DATA:

APPLICATION NUMBER: 60/085,598
FILING DATE: 14 May 1998
APPLICATION NUMBER: 60/051571
FILING DATE: 1019 2, 1997
ATTORNEY/AGENT INFORMATION:

NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-012
TELECOMMUNICATION INFORMATION:

TELEPAX: (781)893-5007
TELEPAX: (781)893-507

INFORMATION FOR SEQ ID NO: 4947:
SEQUENCE CHARACTERISTICS:
 NAME/KEY: misc feature
LOCATION: (B) LŌCATION 1...334
SEQUENCE DESCRIPTION: SEQ ID NO: 4947:
 TOPOLOGY: linear
MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
ORGANISM: Enterococcus faecium
```

Gaps

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US-09-512-363-2

Sequence 2 Application US/09512363

Patent No. 6503184

APPLICANT: Ni. Jian

APPLICANT: Ni. Jian

APPLICANT: Ni. Jian

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins

FILE REFERENCE: PF396

CURRENT APPLICATION NUMBER: US/09/512,363

CURRENT FILING DATE: 1997-10-21

EARLIER PILING DATE: 1997-10-21

EARLIER PILING DATE: 1999-02-24

EARLIER PILING DATE: 1999-05-13

EARLIER PILING DATE: 1999-07-16

NUMBER: OF/134,172

EARLIER PILING DATE: 1999-07-16

NUMBER: OF SEQ ID NOS: 28

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 2

LENGTH: 234
 APPLICANT: Ni, Jian
APPLICANT: Ni, Jian
APPLICANT: Ni, Jian
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Human Thuor Necrosis Factor Receptor-Like Proteins
TITLE OF INVENTION: TR11, TR11SV1, and TR11SV2
FILE REFERENCE: PF396
CURRENT FILING DATE: 19996: 1000
CURRENT FILING DATE: 19998-10-21
EARLIER APPLICATION NUMBER: 60/063,212
EARLIER PILING DATE: 1997-10-21
NUMBER OF SEQ ID NOS: 27
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2
LENGTH: 234
 Score 35; DB 2; Length 232;
Pred. No. 2.5e+02;
1; Mismatches 5; Indels
 Score 35; DB 2; Length 234; Pred. No. 2.5e+02; 1; Mismatches 5; Indels
 Length 234;
 5; Indels
 Score 35; DB 2; 1
Pred. No. 2.5e+02;
1; Mismatches 5;
 US-09-176-200-2
; Sequence 2, Application US/09176200
; Patent No. 6509173
; GENERAL INFORMATION:
 56.5%;
50.0%;
 Query Match
Best Local Similarity 50.0%;
Matches 6; Conservative
 56.5%;
50.0%;
 Query Match
Best Local Similarity 50.0
Matches 6; Conservative
 1 RLCRIVVIRVCR 12
 42 RCCRVHTTRCCR 53
 Conservative
 48 RCCRVHTTRCCR 59
 1 RLCRIVVIRVCR 12
 TYPE: PRT
ORGANISM: Homo sapiens
 TYPE: PRT
CRGANISM: Homo sapiens
US-09-176-200-2
 Query Match
Best Local Similarity
Matches 6; Conserv
 US-09-512-363-2
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 Gaps
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 GENERAL INFORMATION:
APPLICANT: Gorman, Daniel M.
APPLICANT: Randall, Troy D.
APPLICANT: 2lotnik, Albert
TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED
TITLE OF INVENTION: REAGENTS
 Score 35; DB 2; Length 228; Pred. No. 2.4e+02;
 5; Indels
 COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
COMPTING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: DatentIn Release #1.0, Version #1.30
SUBTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US (08/911, 423
FLING DATE: 14-AUG-1997
CLASSIFICATION DATA:
APPLICATION NUMBER: US 60/023, 419
FLING DATE: 16-AUG-1996
RRIOR APPLICATION NUMBER: US 60/027, 901
FLING DATE: 07-OCT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34, 090
REFERENCE/DOCKET NUMBER: DX0612K
TELECOMMUNICATION INFORMATION:
 1; Mismatches
 ADDRESSEE: DNAX Research Institute
STREET: 901 California Avenue
 DX0612K
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX061
TELECOMPUTICATION INFORMATION:
TELEPHONE: 650-85-936
INPORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 228 amino acids
TYPE:
 Sequence 7, Application US/08911423
Patent No. 6111090
 56.5%;
 Best Local Similarity 50.0
Matches 6; Conservative
 TELEFAX: 650-496-1200
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
 1 RLCRIVVIRVCR 12
 42 RCCRVHTTRCCR 53
 single
 TOPOLOGY: linear MOLECULE TYPE: peptide
 ; MOLECULE TYPE: peptide US-08-911-423-7
 NUMBER OF SEQUENCES: E
 CITY: Palo Alto
STATE: California
 amino acid
 linear
 STRANDEDNESS:
 USA
 STRANDEDNESS:
 COUNTRY:
 US-08-911-423-6
 US-08-911-423-7
 Query Match
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us-10-657-851-37.rai

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Query Match
Best Local Similarity 50.0
Matches 6; Conservative
 Query Match 56.5
Best Local Similarity 50.0
Matches 6; Conservative
 1 RLCRIVVIRVCR 12
 42 RCCRVHTTRCCR 53
 1 RLCRIVVIRVCR 12
 42 RCCRVHTTRCCR 53
; SEQ ID NO 6
; LENGTH: 240
; TYPE: PRT
; CRGANISM: Homo sapiens
US-09-512-36-6
 ; ORGANISM: Homo sapiens US-09-176-200-6
 LENGTH: 240
 RESULT 44
US-09-176-200-6
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 Sequence 2, Application US/09915593

Patent No. 6689607

GENERAL INFORMATION:

APPLICANT: Ni, Jian

APPLICANT: Ni, Jian

APPLICANT: Ni, Jian

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins

TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins

FILE REFERENCE: PR396P2

CURRENT APPLICATION NUMBER: US/09/915,593

PRIOR FILING DATE: 2000-07-28

PRIOR FILING DATE: 2000-07-16

PRIOR FILING DATE: 1999-05-13

PRIOR FILING DATE: 1999-05-13

PRIOR PRILING DATE: 1999-02-24

PRIOR FILING DATE: 1999-02-24

PRIOR FILING DATE: 1999-10-21

PRIOR FILING DATE: 1997-10-21

**WUMBER: OF SEQ ID NOS: 28

**SEQ ID NO 2

**LENGTH: 234

**TWAR: PRIOR PRICATION VET: 2.0

**ELENGTH: 294

**TWAR: PRIOR PRICATION VET: 2.0
 ö
 Sequence 6, Application US/09512363
; Batent No. 6503184
; GENERAL INFORMATION:
APPLICANT: Ni, Jian
APPLICANT: Ruben, Steven M.
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins
TITLE OF INVENTION: Human Tumor Necrosis Factor Receptor-Like Proteins
CURRENT APPLICATION NUMBER: US/09/512,363
CURRENT FILING DATE: 1997-10-21
EARLIER APPLICATION NUMBER: 60/163,212
EARLIER PILING DATE: 1997-10-21
EARLIER PILING DATE: 1999-02-4
EARLIER FILING DATE: 1999-02-4
EARLIER FILING DATE: 1999-05-13
EARLIER FILING DATE: 1999-05-13
EARLIER FILING DATE: 1999-01-16
NUMBER OF SEQ ID NOS: 28
NUMBER OF SEQ ID NOS: 28
 ö
 Length 234;
 Score 35; DB 2; Length 237.
Pred. No. 2.56+02;
...--rohes 5; Indels
 Query Match 56.5%;
Best Local Similarity 50.0%;
Matches 6; Conservative
 SOFTWARE: Patentin Ver. 2.0
 48 RCCRVHTTRCCR 59
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 48 RCCRVHTTRCCR 59
 ; ORGANISM: Homo sapiens
US-09-915-593-2
 RESULT 43
US-09-512-363-6
 US-09-915-593-2
 Best Loca
Matches
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ORGANISM: Homo sapiens
 Query Match
Best Local Similarity
Matches 6; Conserv
 US-09-915-593-28
 SOFTWARE: Pat
SEQ ID NO 28
LENGTH: 241
 US-09-512-363-28
 TYPE: PRT
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 Gaps
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 GENERAL INFORMATION:
APPLICANT: Gorman, Daniel M.
APPLICANT: Randall, Troy D.
APPLICANT: Zlotnik, Albert
TITLE OF INVENTION: MAMMALIAN CELL SURFACE ANTIGENS; RELATED
TITLE OF INVENTION: REAGENTS
NUMBER OF SEQUENCES: 8
 Score 35; DB 2; Length 241;
Pred. No. 2.5e+02;
1; Mismatches 5; Indels
 Score 35; DB 2; Length 240;
Pred. No. 2.5e+02;
 5; Indels
 ZIP: 94304-1104

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
 1; Mismatches
 APPLICATION NUMBER: US/08/911,423
RILING DATE: 14-AUG-1997
CLASSIPICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/023,419
FILING DATE: 16-AUG-1996
PRIOR APPLICATION NUMBER: US 60/027,901
APPLICATION NUMBER: US 60/027,901
FILING DATE: 07-OCT-1996
ATORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0612K
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
 CORRESPONDENCE ADDRESS:
ADDRESSE: DNAX Research Institute
STREET: 901 California Avenue
CITY: Palo Alto
STATE: California
COUNTRY: USA
 Sequence 4, Application US/08911423
Patent No. 6111090
 56.5%;
 56.5%;
 INFORMATION FOR SEQ ID NO: 4: SEQUENCE CHARACTERISTICS:
 241 amino acids
SOFTWARE: Patentin Ver. 2.0
 6; Conservative
 1 RLCRIVVIRVCR 12
 | ||: | ||
42 RCCRVHTTRCCR 53
 6; Conservative
 1 RLCRIVVIRVCR 12
 650-496-1200
 48 RCCRVHTTRCCR 59
 MOLECULE TYPE: protein
 amino acid
 linear
 Query Match
Best Local Similarity
Matches 6; Conserv
 Best Local Similarity
 TOPOLOGY:
 US-08-911-423-4
 RESULT 46
US-08-911-423-4
 Quéry Match
 Matches
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; TYPE: PRT
; ORGANISM: Enterococcus faecalis
US-09-134-000C-6570
 TELECOMMUNICATION INFORMATION:
TELEPHONE: 650-852-9196
TELEFAX: 650-496-1200
 54.8%;
 INFORMATION FOR SEQ ID NO: 8:
 56.5%;
 LENGTH: 311 amino acids
TYPE: amino acid
STRANDEDNESS: single
 Query Match
Best Local Similarity 50.0
Matches 6; Conservative
 Best_Local Similarity 45.5
Matches 5; Conservative
 SEQUENCE CHARACTERISTICS
 1 RLCRIVVIRVCR 12
 42 RCCRVHTTRCCR 53
 KVCLIVCLKVC 18
 ; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-911-423-8
 1 RLCRIVVIRVC 11
 RESULT 52
US-09-583-110-3039
 Query Match
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 SERVICEAL INFORMATION:
APPLICANT: VENTER, J. Craig et al.
APPLICANT: VENTER, J. Craig et al.
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF;
TITLE OF INVENTION NUMBER: US09/949,016
CURRENT APPLICATION NUMBER: US0/941,755
PRIOR FILING DATE: 2000-04-14
PRIOR FILING DATE: 2000-10-20
PRIOR FILING DATE: 2000-10-03
PRIOR FILING DATE: 2000-09-08
NUMBER OF SEQ ID NOS: 207012
SOFTWARE: PRESEEQ FOR Windows Version 4.0
ILENGTH: 221
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 Gaps
 Gaps
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 Sequence 8, Application US/08911423
Patent No. 6111090
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Randall, Troy D.
APPLICANT: Randall, Troy D.
APPLICANT: Randall, Troy D.
TITLE OF INVENTION: MAWMALIAN CELL SURFACE ANTIGENS; RELATED TITLE OF INVENTION: REAGENTS
CORRESPONDENCES:
CORRESPONDENCE ADDRESS:
ADDRESSEE: DNAK Research Institute
STREET: 901 California Avenue
56.5%; Score 35; DB 2; Length 241; 50.0%; Pred. No. 2.5e+02; ive 1; Mismatches 5; Indels
 Length 241;
 Score 35; DB 2; Length 241
Pred. No. 2.5e+02;
1; Mismatches 5; Indels
 COMPUTER REDAMBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: Eloppy disk
COMPUTER: Elem PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/911,423
FILING DATE: 14-AUG-1997
CLASSIFICATION 1536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/023,419
FILING DATE: 16-AUG-1996
 Sequence 7232, Application US/09949016
Patent No. 6812339
 56.5%;
 Conservative
 6; Conservative
 1 RLCRIVVIRVCR 12
 48 RCCRVHTTRCCR 59
 48 RCCRVHTTRCCR 59
 1 RLCRIVVIRVCR 12
 Query Match
Best Local Similarity
'''onservat
 CITY: Palo Alto
STATE: California
 Query Match
Best Local Similarity
Matches 6; Conserva
 COUNTRY: USA
ZIP: 94304-1104
 ORGANISM: Human
 RESULT 49
US-09-949-016-7232
 US-09-949-016-7232
 US-08-911-423-8
 RESULT 50
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Sequence 1039 Application US/09583110

Patent No. 6699703

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al.

TITLE OF INVENTION: Pneumoniae for Diagnostics and Therapeutics

CURRENT PELICATION NUMBER: US/09/583,110

CURRENT FILING DATE: 1998-06-30

PRIOR FILING DATE: 1998-06-30

PRIOR FILING DATE: 1998-05-12
 US-09-134-000C-6570

Sequence 6570, Application US/09134000C

Sequence 6570, Application US/09134000C

Patent No. 6611126

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: WOLLEIC ACID AND AMINO ACID SEQUENCES RELATING TO

TITLE OF INVENTION: ENTERCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS

FILE REFERENCE: 032796-032

CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/055,778

PRIOR PRILING DATE: 1997-08-15

NUMBER OF SEQ ID NOS: 6812

SOFTWARE: Patentin version 3.1

SEQ ID NO 6570

LENGTH: 116
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 Gaps
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 Score 34; DB 2; Length 116;
Pred. No. 1.9e+02;
4; Mismatches 2; Indels
 Length 311;
 Score 35; DB 2; Length 31.
Pred. No. 3.2e+02;
5; Indels
 1; Mismatches
APPLICATION NUMBER: US 60/027,901
FILING DATE: 07-0CT-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ching, Edwin P.
REGISTRATION NUMBER: 34,090
REFERENCE/DOCKET NUMBER: DX0612K
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GENERAL INFORMATION:
APPLICANT: Keith Weinstock et al
APPLICANT: Keith Weinstock et al
APPLICANT: Keith Weinstock et al
APPLICANT: Noter ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICANG
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPERENCE: 107196.132
CURRENT APPLICATION NUMBER: US/09/248,796A
CURRENT APPLICATION NUMBER: US 60/074,725
PRIOR PILING DATE: 1998-02-13
PRIOR PILING DATE: 1998-08-13
NUMBER OF SEQ ID NOS: 28208
SEQ ID NOS: 28208
 ö
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 Sequence 60996, Application US/09270767

Sequence 60996, Application US/09270767

Patent No. 6703491

GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE FOR INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 60996
 Sequence 35000, Application US/09270767
; Patent No. 6703491
; GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
 Gaps
 Gaps
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 .
 Length 971;
 2; Indels
 Length 38
 2; Indels
 Score 34; DB 2;
Pred. No. 1.3e+03;
4; Mismatches 2.
 53.2%; Score 33; DB 2; 36.4%; Pred. No. 98; live 5; Mismatches
 ; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-60996
 Sequence 19531, Application US/09248796A Patent No. 6747137
 TYPE: PRT ORGANISM: Drosophila melanogaster
 54.8%;
 Query Match
Best Local Similarity 45.5%,
Best Local Similarity 45.5%,
Conservative
 TYPE: PRT ORGANISM: Candida albicans
 Query Match 53.2
Best Local Similarity 36.4
Matches 4; Conservative
 || |:| ::|:
841 LCDIMVFKMCK 851
 2 LCRIVVIRVCR 12
 1 RLCRIVVIRVC 11
 15 RSCRLTKVKIC 25
 2 LCRIVVIRVCR 12
 : | : |:::||
24 MCLLEVLQICR 34
 US-09-248-796A-19531
 US-09-248-796A-19531
 US-09-270-767-60996
 US-09-270-767-35000
 FEATURE:
 LENGTH:
 RESULT 55
 RESULT 56
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 FOR DIAGNC
 Gaps 0;
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 APPLICANT: Lynn A Doucette-Stamm and David Bush
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE
THERAPEUTICS
 ;
0
 ;
 Query Match 54.8%; Score 34; DB 2; Length 217; Best Local Similarity 36.4%; Pred. No. 3.3e+02; Matches 4; Conservative 4; Mismatches 3; Indels
 Length 209;
 Indels
 CORRESPONDENCE ADDRESS:
ADDRESSEE: GENOME THERAPEUTICS CORPORATION
 Score 34; DB 2; Le
Pred. No. 3.2e+02;
4; Mismatches 3;
 ORGANISM: Streptococcus pneumoniae
 COMPUTER: <URKNOWN>
COMPUTER: <URKNOWN>
COMPACTION SYSTEMS: <URKNOWN>
SOFTWARE: <URKNOWN>
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/107,433
PILING DATE: 30-Jun-1998
PRIOR APPLICATION DATA:
 NAME/KEY: misc feature
LOCATION: (B) LOCATION 1...217
SEQUENCE DESCRIPTION: SEQ ID NO: 4632:
 NAME: Ariniello, Pamela Deneke
REGISTRATION NUMBER: 40,489
REFERENCE/DOCKET NUMBER: GTC-011
TELECOMMUNICATION INFORMATION:
TELEPHONE: (781)893-5007
 APPLICATION NUMBER: 60/ 085131
FILING DATE: May 12, 1998
APPLICATION NUMBER: 60/051553
FILING DATE: July 2, 1997
PRIOR APPLICATION NUMBER: US 60/051,553
PRIOR FILING DATE: 1997-07-02
NUMBER OF SEQ ID NOS: 5322
SEQ ID NO 3039
LENGTH: 209
 COMPUTER READABLE FORM:
MEDIUM TYPE: CD/ROM ISO9660
 US-09-107-433-4632; Sequence 4632, Application US/09107433; Patent No. 6800744; GENERAL INFORMATION:
 STREET: 100 Beaver Street
 TYPE: PRT; ORGANISM: Streptococcus pneumoniae US-09-583-110-3039
 LENGTH: 217 amino acids TYPE: amino acid
 TELEFAX: (781)899-8277
INFORMATION FOR SEQ ID NO: 4632:
SEQUENCE CHARACTERISTICS:
 ATTORNEY/AGENT INFORMATION:
 STATE: Massachusetts
COUNTRY: USA
 NUMBER OF SEQUENCES: 5206
 54.8%;
ilarity 36.4%;
Conservative
 MOLECULE TYPE: protein
HYPOTHETICAL: YES
ORIGINAL SOURCE:
 | ||: :::|
7 RSCRLTKVKIC 17
 1 RECRIVVIRVC 11
 CITY: Waltham
 Query Match
Best Local Similarity
4; Conserv?
 NAME/KEY:
 US-09-107-433-4632
 FEATURE
 RESULT 53
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Sequence 53055, Application US/09270767 Patent No. 6703491
 TYPE: PRT
ORGANISM: Drosophila melanogaster
 ORGANISM: Drosophila melanogaster
 53.2%;
50.0%;
 6; Conservative
:|||:|
28 QLCRVVTVKGAR 39
 1 RLCRIVVIRVCR 12
 6; Conservative
 1 RLCRIVVIRVCR 12
 68 RLCVCCVLTVCK 79
 68 RÉCVCCVLTVCK 79
 Query Match
Best Local Similarity
Matches 6; Conserv
 Best Local Similarity
 RESULT 61
US-09-270-767-45487
 RESULT 60
US-09-270-767-53055
 US-09-270-767-37838
 US-09-270-767-53055
 Query Match
 FEATURE:
 Matches
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 Sequence 5671, Application US/09134000C

Sequence 5671, Application US/09134000C

Patent No. 6617156

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: BETTER OCCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS

TITLE OF INVENTION: BETTER OCCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS

TITLE OF INVENTION: BATTER OCCOCCUS FAECALIS FOR DIAGNOSTICS AND THERAPEUTICS

CURRENT APPLICATION NUMBER: US/09/134,000C

CURRENT FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/055,778

PRIOR PILING DATE: 1997-08-15

NUMBER OF SEQ ID NOS: 6812

SOFTWARE: Patentin version 3.1

LENGTH: 114
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 Sequence 50217, Application US/09270767
Facent No. 6703491
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT PILING DATE: 1995-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 50217
LENGTH: 69
 Gaps
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 53.2%; Score 33; DB 2; Length 114; ilarity 41.7%; Pred. No. 2.6e+02; Conservative 4; Mismatches 3; Indels
 Length 69;
 53.2%; Score 33; DB 2; Length 69; 50.0%; Pred. No. 1.7e+02; Live 2; Mismatches 3; Indels
 53.2%; Score 33; DB 2; Length 69; ilarity 50.0%; Pred. No. 1.7e+02; Conservative 2; Mismatches 3; Indels
FILE REFERENCE: File Reference: 7326-094 CURRENT PEDLICATION NUMBER: US/09/270,767 CURRENT FILING DATE: 1999-03-17 NUMBER OF SEQ ID NOS: 62517 SOFTWARE: Patentin Ver. 2.0 SEQ ID NO 35000 LENGTH: 69
 ORGANISM: Drosophila melanogaster US-09-270-767-50217
 , ORGANISM: Drosophila melanogaster
US-09-270-767-35000
 ORGANISM: Enterococcus faecalis
 5; Conservative
 1 RLCRIVVIRVCR 12
 32 ICRILACRYC 41
 2 LCRIVVIRVC 11
 32 IČŘÍLACŘÝČ 41
 2 LCRIVVIRVC 11
 Query Match
Best Local Similarity
 Query Match
Best Local Similarity
Loca 5; Conserve
 Query Match
Best Local Similarity
Matches 5; Conserv
 US-09-270-767-50217
 RESULT 58
US-09-134-000C-5671
 US-09-134-000C-5671
 TYPE: PRT
 TYPE: PRT
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US-09-270-767-37838

Sequence 37838, Application US/09270767

Patent No. 6703491

GENERAL INFORMATION:

GENERAL INFORMATION:

TITLE OF INVENTION:

FILLE REFERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: PatentIn Ver. 2.0

SEQ ID NO 37838

LENGTH: 120
 GENERAL INFORMATION:
APPLICANT: Homburger et al.
APPLICANT: Homburger et al.
TITLE OF INVENTIONS: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT PAPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 53055
LENGTH: 120
 Sequence 45487. Application US/09270767
Patent No. 6703491
GENERAL INFORMATION:
APPLICANT: Formburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster;
TITLE OF INVENTION: NUMBER: US/09/270,767
CURRENT APPLICANTO DATE: 1999-03-17
UNDRER OF SEQ ID NOS: 62517
 Gaps
 Gaps
 0;
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 Score 33; DB 2; Length 120;
Pred. No. 2.8e+02;
 Length 120;
 53.2%; Score 33; DB 2; 1
50.0%; Pred. No. 2.8e+02;
 2; Mismatches
 FEATURE: OTHER INFORMATION: Xaa means any amino acid
 2; Mismatches
 OTHER INFORMATION: Xaa means any amino acid
```

Gaps

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GENERAL INFORMATION:
APPLICANT: Griffais, R.
APPLICANT: Griffais, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prever
TITLE OF INVENTION: and treatment of infection
TITLE REFERENCE: 9710-003-99
CURRENT APPLICATION NUMBER: US/09/198,452A
CURRENT FILING DATE: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
 GENERAL INFORMATION:
APPLICANT: Stephens, Richard
APPLICANT: Stephens, Richard
APPLICANT: Mitchell, Wayne
APPLICANT: Malann, Sue
APPLICANT: Malann, Sue
APPLICANT: The Regents of the University of California
APPLICANT: The Regents of the University of California
TITLE OF INVENTION: Chlamydia Pneumoniae Genome Sequence
FILE REFERENCE: 018941-000411US
CURRENT APPLICATION NUMBER: US/09/438,185A
CURRENT FILING DATE: 2002-03-13
PRIOR FILING DATE: 1998-11-12
PRIOR FILING DATE: 1998-11-12
PRIOR FILING DATE: 1999-04-08
NUMBER OF SEQ ID NOS: 1074
SOFTWARE: PSELSEQ for Windows Version 3.0
SEQ ID NO 519
 53.2%; Score 33; DB 2; Length 281; 50.0%; Pred. No. 5.9e+02; ive 3; Mismatches 2; Indels
 Score 33; DB 2; Length 279;
Pred. No. 5.9e+02;
 2; Indels
 Indels
 ..
 Mismatches
 3; Mismatches
 Sequence 1201, Application US/09198452A Patent No. 6559294
 Sequence 519, Application US/09438185A Patent No. 6822071
 ö
 TYPE: PRT
ORGANISM: Chlamydia pneumoniae
 TYPE: PRT ORGANISM: Chlamydia pneumoniae
 53.2%;
50.0%;
 7; Conservative
 200 RYCRITVIEPAR 211
 OTHER INFORMATION: CPn0517
 1 RLCRIVVIRVCR 12
 5; Conservative
 Best Local Similarity 50.0
Matches 5; Conservative
 43 LCALLIILVC 52
 2 LCRIVVIRVC 11
 2 LCRIVVIRVC 11
 Query Match
Best Local Similarity
 || :::| ||
45 LCALLIILVC
 US-09-198-452A-1201
 US-09-198-452A-1201
 US-09-438-185A-519
 US-09-438-185A-519
 Query Match
 Matches
 Matches
 RESULT 66
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 US-09-252-991A-26289
Sequence 26289, Application US/09252991A
Sequence 26289, Application US/09252991A
Sequence 26289, Application US/09252991A
Sequence 26289, Application US/09252991A
Setent No. 6551798
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: NUCLEUR ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
 ö
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 GENERAL INFORMATION:
APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Stater, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15849)B CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT APPLICATION NUMBER: 60/217,883
PRIOR APPLICATION NUMBER: 60/217,883
PRIOR FILING DATE: 2000-07-10
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 10473
LENGTH: 264
 Gaps
 Gaps
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 Score 33; DB 2; Length 231;
Pred. No. 5e+02;
1; Mismatches 1; Indels
 Score 33; DB 2; Length 264;
Pred. No. 5.6e+02;
 Length 166;
 Score 33; DB 2; Length 166
Pred. No. 3.7e+02;
5; Mismatches 2; Indels
 FEATURE:
; OTHER INFORMATION: Xaa means any amino acid
US-09-270-767-45487
 CURRENT APPLICATION NUMBER: US/09/252,991A
CURRENT FILING DATE: 1999-02-18
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR PILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
 Sequence 10473, Application US/09902540 Patent No. 6833447
 TYPE: PRT
ORGANISM: Drosophila melanogaster
 ORGANISM: Pseudomonas aeruginosa
 53.2%;
75.0%;
 53.2%;
58.3%;
 Query Match 53.2%;
Best Local Similarity 36.4%;
Matches 4; Conservative
 ; ORGANISM: Myxococcus xanthus US-09-902-540-10473
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 45487
LENGTH: 166
 :| : |:::||
152 MCLLEVLQICR 162
 6; Conservative
 2 LCRIVVIRVCR 12
 38 RLCRICWV 45
 1 RLCRIVVI 8
 Query Match
Best Local Similarity
 Query Match
Best Local Similarity
 US-09-252-991A-26289
 RESULT 63
US-09-902-540-10473
 SEQ ID NO 26289
LENGTH: 231
 TYPE: PRT
 Matches
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 Score 33; DB 1; Length 477;
Pred. No. 9.6e+02;
4; Mismatches 3; Indels
 Length 398;
 0; Indels
 RESULT 69
US-07-969-267B-3
US-07-969-267B-3
Sequence 3, Application US/07969267B
Patent No. 5882855
GENERAL INFORMATION:
APPLICANT: Welinshank, Richard L.
APPLICANT: Hartig, Paul R.
TITLE OF INVENTION: DNA Encoding A Human Dopamine D1
TITLE OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
 COMPUTE: 10030

COMPUTE: TOOPY disk
COMPUTE: Floppy disk
COMPUTE: IBM PC compatible
COMPUTES: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/969,267B
FILING DATE: 05-OCT-1993
CLASSIFICATION: 435
RIOR APPLICATION DATA:
APPLICATION NUMBER: 07/551,448
FILING DATE: 10-JUL-1990
ATTORNEY/AGENT INFORMATION:
NAME: White: John P.
 Score 33; DB 2; Pred. No. 8.1e+02;
 4; Mismatches
 NAME: White, John P. REGISTRATION NUMBER: 28,678
REGISTRATION NUMBER: 37526-A-PCT-US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
 3: Cooper & Dunham LLP
1185 Avenue of the Americas
 PRIOR APPLICATION NUMBER: 60/128,689
PRIOR FILING DATE: 1999-04-09
PRIOR APPLICATION NUMBER: 09/545,199
PRIOR FILING DATE: 2000-04-06
NUMBER OF SEQ ID NOS: 197
SOGTWARE: PATENTIN Ver. 2.0
SEQ ID NO 50
LENGTH: 398
 ORGANISM: Pasteurella multocida
 53.2%;
 TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 3:
 LENGTH: 477 amino acids
TYPE: amino acid
STRANDEDNESS: single
 Ouery Match
Best Local Similarity 50.0°
 |: || :::||
248 RIYRIAQVQICR 259
 Query Match 53.2
Best Local Similarity 41.7
Matches 5; Conservative
 SEQUENCE CHARACTERISTICS
 1 RLCRIVVIRVCR 12
 TOPOLOGY: linear
MOLECULE TYPE: peptide
 |:::|:||
82 CKVIVVRV 89
 3 CRIVVIRV 10
 STATE: New York COUNTRY: U.S.A.
 New York
 10036
 TELEPHONE: TELEFAX: 2
 ADDRESSEE:
 US-09-809-665A-50
 STREET:
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 Gaps
 Gaps
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0
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 Length 315;
 Score 33; DB 2; Length 396;
Pred. No. 8.1e+02;
4; Mismatches 0; Indels
 Score 33; DB 2; Length size.
Pred, No. 6.6e+02;
 APPLICANT: LOWERY E., David, et al.
TITLE OF INVENTION: Anti-Bacterial Vaccine Compositions
FILE REFERENCE: 28341/00435
CURRENT APPLICATION NUMBER: US/09/809,665A
CURRENT FILING DATE: 2001-03-15
PRIOR FILING DATE: 1999-09-10
PRIOR FILING DATE: 1999-09-10
PRIOR FILING DATE: 1999-04-09
PRIOR FILING DATE: 1999-04-09
PRIOR FILING DATE: 2000-04-06
 US-09-009-065A-50

Sequence 50, Application US/09809665A

Patent No. 6790506

GENERAL INFORMATION:

TITLE OF INVENTION: Anti-Bacterial Vaccine Compositions
FILE REFERENCE: 28341/00435

CURRENT FILING DATE: 2001-03-15

CURRENT FILING DATE: 2001-03-15

PRIOR FILING DATE: 1999-09-10
US-10-104-047-3458
; Sequence 3458, Application US/10104047
; Patent No. 69432416;
GENERAL INFORMATION:
; TITLE OF INVENTION: No. 6943241e1 full length cDNA;
; FILE REFERENCE: H1-A0105
; CURRENT FILING DATE: 2002-03-25
; CURRENT FILING DATE:
; PRIOR APPLICATION NUMBER: US/10/104,047
; RING APPLICATION NUMBER:
; RING APPLICATION NUMBER:
; SOFTWARE PATENT IN STATE 2002-03-25
; SOFTWARE: PATENT IN STATE 2002-03-25
; SOFTWARE: PATENT IN STATE 2002-03-25
; SOFTWARE: PATENT IN VET: 2.1
 2; Mismatches
 US-09-809-665A-115; Sequence 115, Application US/09809665A; Patent No. 6790950; GENERAL INFORMATION:
 ; TYPE: PRT
; ORGANISM: Pasteurella multocida
US-09-809-665A-115
 53.2%;
50.0%;
 Query Match
Best Local Similarity 45.5%;
Matches 5; Conservative
 Query Match
Best Local Similarity 50.0
Matches 4; Conservative
 106 RLCYLVATEIC 116
 1 RLCRIVVIRVC 11
 ; ORGANISM: Homo sapiens
US-10-104-047-3458
 3 CRIVVIRV 10
 |:::|:|
80 CKVIVVRV 87
 TYPE: PRT
```

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CORPUTER KEALDELE FOURTY

COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/277,078
FILING DATE: 21-0C-2002
CLASSIFICATION DATA:
APPLICATION NUMBER: US/99/168,510
FILING DATE: CUNKNOWN-
APPLICATION NUMBER: 07/969,267
FILING DATE: 05-0CT-1993
APPLICATION NUMBER: 07/951,448
FILING DATE: 10-UUL-1990
ATTORNEY/AGENT INFORMATION:
 Score 33; DB 2; Length 477;
Pred. No. 9.6e+02;
4; Mismatches 3; Indels
 NAME: White, John P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 37526-A-PCT-US
TELECOMMUNICATION INFORMATION:
 TOPOLOGY: linear

MOLECULE TYPE: peptide

SEQUENCE DESCRIPTION: SEQ ID NO: 3:
US-10-277-078-3
 ; LOCATION: (1)...(609)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-949-016-6846
 Sequence 6846, Application US/09949016
Patent No. 6812339
GENERAL INFORMATION:
 TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 3:
 LENGTH: 477 amino acids
 TYPE: amino acid
STRANDEDNESS: single
 SEQUENCE CHARACTERISTICS:
ZIP: 10036
COMPUTER READABLE FORM:
 Query Match
Best Local Similarity 41.7;
 1: || :::||
248 RIYRIAQVQICR 259
 1 RLCRIVVIRVCR 12
 TYPE: PRT
ORGANISM: Human
 JS-09-949-016-6846
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 Gaps
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 Length 477;
 Sequence 3, Application US/09168510
| Patent No. 6468767
| GENERAL INFORMATION:
| APPLICANT: Hartig, Paul R. |
| TILE OF INVENTION: DNA Encoding A Human Dopamine D1 TITLE OF INVENTION: Receptor And Uses Thereof; NUMBER OF SEQUENCES: 4
| CORRESPONDENCE ADDRESS: ADDRESSE: ADDRESSE: COOPER & Dunham LLP STREET: 1185 Avenue of the Americas CITY: New York STATE: New Yor
 Hartig, Paul R.

TITLE OF INVENTION: DNA Encoding A Human Dopamine D1
NUMBER OF SEQUENCES: 4
CORRESPONDENCE ADDRESS:
ADDRESSE: Cooper & Dunham LLP
STREET: 1185 Avenue of the Americas
CITY: New York
 3; Indels
 ZIP: 10036
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: ISM For Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/168,510
FILING DATE:
CLASSIFICATION:
 Score 33; DB 2;
Pred. No. 9.6e+02;
4; Mismatches 3
 PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/969,267
FILING DATE: 05-0CT-1993
APPLICATION NUMBER: 07/551,448
FILING DATE: 10-JUL-1990
ATTORNEY/ACENT INFORMATION:
NAME: White, 20hn P.
REGISTRATION NUMBER: 28,678
REFERENCE/DOCKET NUMBER: 37526-A-PCT-US
TELECHONE: 212-278-0400
TELEFRANCE: 212-278-0400
 Sequence 3, Application US/10277078
Patent No. 6939680
GENERAL INFORMATION:
APPLICANT: Weinshank, Richard L.
 TELEFAX: 212-391-0525
INFORMATION FOR SEQ ID NO: 3:
 53.2%;
 477 amino acids
 |: || :::||
248 RIYRIAQVQICR 259
 Query Match
Best Local Similarity 41.7
Matches 5; Conservative
 1 RLCRIVVIRVCR 12
 STATE: New York
 single
 MOLECULE TYPE: peptide
 linear
 STRANDEDNESS:
 -168-510-3
 US-10-277-078-3
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APPLICANT: VENTER, J. Craig et al.

TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
FILE REPERBUCE: CLO01307
CURRENT APPLICATION NUMBER: US/09/949,016
FURNENT APPLICATION NUMBER: US/02/41,755
PRIOR PILING DATE: 2000-10-20
PRIOR PILING DATE: 2000-10-30
PRIOR PILING DATE: 2000-10-30
PRIOR PILING DATE: 2000-10-30
PRIOR PILING DATE: 2000-10-03
Gaps ö

us-10-657-851-37.rai

Page 20

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ORGANISM: Pinus thunbergii
 Query Match
Best Local Similarity 25.0
Matches 3; Conservative
 Query Match
Best Local Similarity 66.7
Matches 6; Conservative
 : | :::::||
7 KTCSLILLNLCR 18
 1 RLCRIVVIRVCR 12
 4 RIVVIRVCR 12
 59 RAVVIRTCK 67
 GENERAL INFORMATION:
 US-09-198-452A-1019
 US-09-902-540-16503
 US-09-732-210-389
 SEQ ID NO 1019
LENGTH: 97
 SEQ ID NO 389
LENGTH: 122
 TYPE: PRT
 RESULT 77
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 GENERAL INFORMATION:
APPLICANT: Chang, Yuan
APPLICANT: Bohenzky, Roy A
APPLICANT: Bohenzky, Roy A
APPLICANT: Bohenzky, Roy A
APPLICANT: Ruses, James J
APPLICANT: Moore, Patrick S
TITLE OF INVENTION: UNIQUE ASSOCIATED KAPOSI'S SARCOMA VIRUS SEQUENCES AND
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 4518-6-PCT-US
CURRENT APPLICATION NUMBER: US/09/230,371A
CURRENT APPLICATION NUMBER: US/09/230,371A
PRIOR RILING DATE: 1997-07-22
NUMBER OF SEQ ID NOS: 30
SOFTWARE: PALENTIN Ver. 2.0
SEQ ID NO 30
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 1;
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 US-09-270-767-44123

Sequence 44123, Application US/09270767

Faterit No. 6703491

GENERAL INFORMATION:

APPLICANT: Homburger et al.

TITLE OF INVENTION:

NUMBER OF SEQ IN WUBBER: US/09/270, 767

CURRENT APPLICATION NUMBER: US/09/270, 767

CURRENT PILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: PatentIN Ver. 2.0

SEQ ID NO 44123

LENGTH: 631
 Gaps
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 52.4%; Score 32.5; DB 2; Length 425; ilarity 41.2%; Pred. No. 1e+03; Conservative 4; Mismatches 1; Indels
 Query Match 52.4%; Score 32.5; DB 2; Length 631; Best Local Similarity 46.2%; Pred. No. 1.5e+03; Matches 6; Conservative 4; Mismatches 2; Indels
 53.2%; Score 33; DB 2; Length 609; 44.4%; Pred. No. 1.2e+03;
 1; Indels
 4; Mismatches
 RESULT 75
US-09-198-452A-1019
; Sequence 1019, Application US/09198452A
 ; Sequence 30, Application US/09230371A ; Patent No. 6348586
 , ORGANISM: Drosophila melanogaster
US-09-270-767-44123
 290 RLCQGRVFCVVVVVCK 306
 1 RLCR----IVVIRVCR 12
Query Match
Best Local Similarity 44.4%;
 |:||: : | :||
141 RICRVSIGRTICR 153
 1 RLCRIVVIR-VCR 12
 326 CKMVILSVC 334
 3 CRIVVIRVC 11
 Query Match
Best Local Similarity
 ORGANISM: Human
 US-09-230-371A-30
 TYPE: PRT
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APPLICANT: Griffals, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: Chlamydia pneumoniae penomic sequence and polypeptides, fragments
TITLE OF INVENTION: and treatment of infection
FILE REPERENCE: 9710-003-999
CURRENT PRILIG DATE: 1998-11-24
NUMBER OF SEQ ID NOS: 6849
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 APPLICANT: Goldman, Barry S.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Gregory J.
APPLICANT: Miedrar, Steven C.
APPLICANT: Wiegand, Roger C.
TITLE OF INVENTION: Myxococcus xanthus Genome Sequences and Uses Thereof FILE REFERENCE: 38-10 (15849) B
CURRENT APPLICATION NUMBER: US/09/902,540
CURRENT FILING DATE: 2001-07-10
 Gaps
 JOHERANI IN CARACTORY (Greg J. APPLICANT: Liang, Jihong APPLICANT: Liang, Jihong APPLICANT: Liang, Jihong APPLICANT: Mittanck, Cindy A. APPLICANT: Mittanck, Cindy A. APPLICANT: Will Younie S. TITLE OF INVENTION: AND TITLE OF INVENTION NUMBER: US 609/132,210 CURRENT APPLICATION NUMBER: US 60/169,513 PRIOR PELING DATE: 1999-12-07 PRIOR FILING DATE: 1999-12-07 PRIOR FILING DATE: 1999-12-07 NUMBER: OF SEQ ID NOS: 1753
 Gaps
 .
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 Length 122;
 Score 32; DB 2; Length 97;
Pred. No. 3.3e+02;
6; Mismatches 3; Indels
 Score 32; DB 2;
Pred. No. 4e+02;
1; Mismatches
 Sequence 16503, Application US/09902540 Patent No. 6833447 GENERAL INFORMATION:
 ; Sequence 389, Application US/09732210; Patent No. 6573361; GENERAL INFORMATION:
 PRIOR APPLICATION NUMBER: 60/217, 883
 TYPE: PRT
ORGANISM: Chlamydia pneumoniae
 51.6%;
25.0%;
```

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; Sequence 2376, Application US/09605703B
; Patent No. 6962989
; GENERAL INFORMATION:
 : Corynebacterium glutamicum
 TYPE: PRT
ORGANISM: Drosophila melanogaster
 51.6%;
62.5%;
 Query Match
Best Local Similarity 75.0%,
6, Conservative
 Query Match
Best Local Similarity 62.2
Parana 5, Conservative
 ||:|:|:|
46 LCQIIVLR 53
 79 RLCSIVII 86
 2 LCRIWIR 9
 1 RLCRIVVI 8
 US-09-270-767-33011
 US-09-605-703B-2376
 US-09-270-767-56833
 SEQ ID NO 56833
LENGTH: 216
 TYPE: PRT
ORGANISM:
 RESULT 82
 RESULT 81
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 RESULT 79
US-09-270-767-50263
is Sequence 50263, Application US/09270767
is Patent No. 6703401.
is Patent No. 6703401.
is Patent No. 6703401.
is APPLICANT: Homburger et al.
is TITLE OF INVENTION: NUALEic and proteins of Drosophila melanogaster
is FILE REPERBUCE: File Reference: 7326-094
is CURRENT APPLICATION NUMBER: US/09/270,767
is UNMBER OF SEQ ID DATE: 1999-03-17
is NUMBER OF SEQ ID NOS: 62517
is SOFTWARE: PatentIn Ver. 2.0
is SEQ ID NO 50263
illenGTH: 186
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 Sequence 35046, Application US/09270767

Batent No. 6703491

GENERAL INFORMATION:

APPLICANT: Homburger et al.

TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster FILE REFERENCE: File Reference: 7326-094

CURRENT APPLICATION NUMBER: US/09/270,767

CURRENT FILING DATE: 1999-03-17

NUMBER OF SEQ ID NOS: 62517

SOFTWARE: ParentIn Ver. 2.0

SEQ ID NO 35046

LENGTH: 186
 Gaps
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0
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0
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 51.6%; Score 32; DB 2; Length 126; 57.1%; Pred. No. 4.1e+02; ive 3; Mismatches 0; Indels
 51.6%; Score 32; DB 2; Length 186;
45.5%; Pred. No. 5.9e+02;
tive 3; Mismatches 3; Indels
 51.6%; Score 32; DB 2; Length 186; 45.5%; Pred. No. 5.9e+02;
 3; Indels
 3; Mismatches
 OTHER INFORMATION: Xaa means any amino acid
 OTHER INFORMATION: Xaa means any amino acid
 TYPE: PRT ORGANISM: Drosophila melanogaster
 ; TYPE: PRT
; ORGANISM: Myxococcus xanthus
US-09-902-540-16503
PRIOR FILING DATE: 2000-07-:
NUMBER OF SEQ ID NOS: 16825
SEQ ID NO 16503
LENGTH: 126
 4; Conservative
 Best Local Similarity 45.5
Matches 5; Conservative
 Best Local Similarity 45.5
Matches 5; Conservative
 106 QLCKNIYIRFC 116
 : | | : | | |
106 QLCKNIYIRFC 116
 1 RLCRIVVIRVC 11
 1 RLCRIVVIRVC 11
 6 VVIRVCR 12
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57 IIVRVCR 63
 Best Local Similarity
Matches 4; Conserv
 US-09-270-767-35046
 US-09-270-767-50263
 US-09-270-767-35046
 Query Match
 Query Match
 Query Match
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Sequence 56833, Application US/09270767

Patent No. 6703491

GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Reference: 7326-094
CURRENT FALING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE PATENTIN UNCE: 2.0
 Sequence 33011, Application US/09270767
Patent No. 6703491.
GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
APPLICANT: Nonpejus, Markus
APPLICANT: Kroger, Burkhard
APPLICANT: Kroger, Burkhard
APPLICANT: Schroder, Hartwig
APPLICANT: Schroder, Hartwig
APPLICANT: Schroder, Hartwig
APPLICANT: Gelder, Oskar
APPLICANT: Haberhauer, Gregor
TITLE OF INVENTION: CORYNBBACTERIUM GLUTAMICUM GENES ENCODING NOVEL
TITLE OF INVENTION: PROTEINS
FILE REFERENCE: BG1-129CP
CURRENT APPLICATION NUMBER: US/09/605,703B
CURRENT APPLICATION NUMBER: G0/142,764
PRIOR FILING DATE: 1999-07-08
PRIOR FILING DATE: 1999-09-03
NUMBER OF SEQ ID NOS: 2934
SEQ ID NO 2376
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0
 Score 32; DB 2; Length 193;
Pred. No. 6.1e+02;
3; Mismatches 0; Indels
 Length 216;
 1; Indels
 51.6%; Score 32; DB 2; 175.0%; Pred. No. 6.7e+02; iive 1; Mismatches 1.
 ; OTHER INFORMATION: Xaa means any amino acid US-09-270-767-56833
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229 CRSVYIQIC 237
 US-09-252-991A-26909
 US-09-270-767-50401
 RESULT 86
US-09-540-236-2293
 SEQ ID NO 50401
LENGTH: 267
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 0
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 Sequence 48228, Application US/09270767
Patent No. 6703491
GENERAL INFORMATION
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REFERENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT APPLING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 48228
LENGTH: 257
 RESULT 84
US-09-700-767-35184
US-09-270-767-35184
Sequence 35184, Application US/09270767
Fatent No. 6703491
GENERAL INPORMATION:
TITLE OF INVENTION:
TITLE REPRENCE: File Reference: 7326-094
CURRENT APPLICATION NUMBER: US/09/270,767
CURRENT APPLICATION NUMBER: US/09/270,767
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 35184
LENGTH: 267
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 Ouery Match 51.6%; Score 32; DB 2; Length 267; Best Local Similarity 55.6%; Pred. No. 8.1e+02; Matches 5; Conservative 2; Mismatches 2; Indels
 51.6%; Score 32; DB 2; Length 257; 58.3%; Pred. No. 7.8e+02; ive 1; Mismatches 4; Indels
 Length 257;
 51.6%; Score 32; DB 2; I ilarity 58.3%; Pred. No. 7.8e+02; Conservative 1; Mismatches 4;
 OTHER INFORMATION: Xaa means any amino acid
FILE REFERENCE: File Reference: 7326-094
CURRENT PEPLICATION NUMBER: US/09/270,767
CURRENT FILING DATE: 1999-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 33011
LENGTH: 257
 ; ORGANISM: Drosophila melanogaster US-09-270-767-48228
 ORGANISM: Drosophila melanogaster
 , ORGANISM: Drosophila melanogaster
US-09-270-767-33011
 219 RACKPVVDVVCR 230
 219 RACKPÝVDVÝCR 230
 Query Match
Best Local Similarity 58.3
Matches 7; Conservative
 1 RLCRIVVIRVCR 12
 1 RLCRIVVIRVCR 12
 3 CRIVVIRVC 11
 Best Local Similarity
Matches 7; Conserv
 RESULT 83
US-09-270-767-48228
 US-09-270-767-35184
 TYPE: PRT
 Query Match
 FEATURE:
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Sequence 2293. Application US/09540236

Sequence 2293. Application US/09540236

GENERAL INFORMATION:
APPLICANT: Gary L. Breton et al.
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO MORAXELLA CATARF
TITLE OF INVENTION: NUCLEIC ACID AND THERAPEUTICS
TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION: 509-2005-001
CURRENT APPLICATION NUMBER: US/09/540,236
CURRENT FILING DATE: 2000-04-04
 Sequence 26909, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
TITLE OF INVENTION NUMBER: US/09/252,991A
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-02-18
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 GENERAL INFORMATION:
APPLICANT: Homburger et al.
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
TITLE OF INVENTION: Nucleic acids and proteins of Drosophila melanogaster
FILE REPERBNCE: File Reference: 7326-094
CURRENT FILING DAFFE: 199-03-17
CURRENT FILING DAFFE: 199-03-17
NUMBER OF SEQ ID NOS: 62517
SOFTWARE: PatentIn Ver. 2.0
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 Score 32; DB 2; Length 267; Pred. No. 8.1e+02; 2; Mismatches 2; Indels
 Length 308;
 3; Indels
 Score 32; DB 2;
Pred. No. 9.2e+02;
4; Mismatches 3
 FEATURE:
OTHER INFORMATION: Xaa means any amino acid US-02-270-767-50401
; Sequence 50401, Application US/09270767
; Patent No. 6703491
 TYPE: PRT
ORGANISM: Drosophila melanogaster
 51.6%;
55.6%;
 Query Match
Best Local Similarity 41.7%;
Matches 5; Conservative
 Query Match
Best Local Similarity 55.6
Matches 5, Conservative
 NUMBER OF SEQ ID NOS: 3840
SEQ ID NO 2293
 1 RLCRIVVIRVCR 12
 | | | | | :: |:
9 KLCRINILANCO 20
 ; TYPE: PRT
; ORGANISM: M.catarrhalis
US-09-540-236-2293
 229 CRSVYIQIC 237
 3 CRIVVIRVC 11
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Gaps
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 Score 32; DB 2; Length 569;
Pred. No. 1.6e+03;
4; Mismatches 2; Indels
 Length 570;
 51.6%; Score 32; DB 2; Length 570
40.0%; Pred. No. 1.6e+03;
iive 4; Mismatches 2; Indels
 APPLICANT: Lambeth, J. David
APPLICANT: Griendling, Kathy
APPLICANT: Lasseque, Bernard
APPLICANT: Lasseque, Bernard
APPLICANT: Cheng, Guangjie
TITLE OF INVENTION: No. 6620603e1 Mitogenic Regulators
FILE REFERENCE: 05501-0103
CURRENT APPLICATION NUMBER: US/09/437,568A
CURRENT PILIG DATE: 1999-11-10
 GENERAL INCORRANTION:
APPLICANT: Lambeth, J. David
APPLICANT: Cheng, Guangie
TITLE OF INVEXTION: Mitogenic Oxygenase Regulators
FILE REFERENCE: 05501-0180 43150-266489
CURRENT APPLICATION NUMBER: US/09/999,248A
CURRENT FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US 60/249,305
PRIOR FILING DATE: 2000-11-16
PRIOR FILING DATE: 2000-11-05
PRIOR FILING DATE: 2000-12-05
PRIOR FILING DATE: 2001-05-07
PRIOR PLING DATE: 2001-05-07
 US-09-999-248A-13; Sequence 13, Application US/09999248A; Patent No. 6846672
 Sequence 37, Application US/09437568A Patent No. 6620603 GENERAL INFORMATION:
 51.6%;
40.0%;
 PatentIn Ver. 2.0
 Query Match
Best Local Similarity 40.07
Thes 4; Conservative
 Query Match
Best Local Similarity 40.0
Matches 4; Conservative
 CRIVVIRVCR 12
 63 CMLILLPVCR 72
 3 CRIVVIRVCR 12
 63 CMLILLPVCR 72
 3 CRIVVIRVCR 12
 64 CMLILLPVCR 73
 LENGTH: 569
TYPE: PRT
ORGANISM: Homo sapiens
 ORGANISM: Bovine
 US-09-999-248A-13
 US-09-437-568A-37
 US-09-437-568A-37
 SOFTWARE: Pat
SEQ ID NO 37
LENGTH: 570
 TYPE: PRT
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 Sequence 20793, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION: ACCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS:
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REPRENCE: 107196.136
CURRENT APPLICATION NUMBER: US 60/074,788
PRIOR APPLICATION NUMBER: US 60/074,788
PRIOR PILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-02-18
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
LENGTH: 548
 Gaps 0;
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 Query Match 51.6%; Score 32; DB 2; Length 569; Best Local Similarity 40.0%; Pred. No. 1.6e+03; Matches 4; Conservative 4; Mismatches 2; Indels
 Length 401;
 Length 548;
 GENERAL INFORMATION:

APPLICANT: Lambeth, J. David
APPLICANT: Griendling, Kathy
APPLICANT: Lasseque, Bernard
APPLICANT: Lasseque, Bernard
APPLICANT: Anold, Rebecca S.
APPLICANT: Anold, Rebecca S.
APPLICANT: Cheng, Guangjie
TITLE OF INVENTION: No. 6620603el Mitogenic Regulators
FILE REFERENCE: 05501-0103
CURRENT APPLICATION NUMBER: US/09/437,568A
CURRENT FILING DATE: 1999-11-10
NUMBER OF SEQ ID NOS: 61
SOFTWARE: Patentin Ver. 2.0
SOFTWARE: 569
 0; Indels
 3; Indels
 51.6%; Score 32; DB 2; 1 62.5%; Pred. No. 1.2e+03;
 51.6%; Score 32; DB 2; I 63.6%; Pred. No. 1.5e+03;
 3; Mismatches
 1; Mismatches
 US-09-437-568A-12; Sequence 12, Application US/09437568A; Patent No. 6620603
 ; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-26909
 ORGANISM: Pseudomonas aeruginosa
 1998-07-27
PRIOR FILING DATE: 1998-07-:
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 26909
LENGTH: 401
 5; Conservative
 Conservative
 489 RLSRVVVEGVC 499
 1 RLCRIVVIRVC 11
 ORGANISM: Homo sapiens
 5 IVVIRVCR 12
 ||::|:||
54 IVLVRLCR 61
 Query Match
Best Local Similarity
Lag 7; Conserve
 Query Match
Best Local Similarity
Matches 5; Conserv
 US-09-252-991A-20793
 US-09-252-991A-20793
 US-09-437-568A-12
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CURRENT FILING DATE: 1999-02-18
PRIOR PEDICATION NUMBER: US 60/074,788
PRIOR FILING DATE: 1998-02-18
PRIOR APPLICATION NUMBER: US 60/094,190
PRIOR FILING DATE: 1998-07-27
NUMBER OF SEQ ID NOS: 33142
SEQ ID NO 25700
LENGTH: 710
 ; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-25700
 51.6%;
 TYPE: PRT
ORGANISM: Artificial Sequence
 Query Match 51.6%;
Best Local Similarity 45.5%;
Matches 5; Conservative
 ORGANISM: Bacillus pumilus
 Best Local Similarity 60.0
Matches 6; Conservative
 217 LCRVCLHKPCR 227
 2 LCRIVVIRVCR 12
 | ||: :|||
228 LNRIIFLRVC 237
 2 LCRIVVIRVC 11
 FEATURE:
NAME/KEY: AMIDATION
 SEQ ID NO 4
LENGTH: 1009
 RESULT 96
US-09-082-420-16
 US-09-693-146-4
 TYPE: PRT
 Query Match
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 Sequence 25700, Application US/09252991A
Patent No. 6551795
GENERAL INFORMATION:
APPLICANT: Marc J. Rubenfield et al.
TITLE OF INVENTION:
TITLE OF INVENTION: ACCID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
TITLE OF INVENTION: AERUGINOSA FOR DIAGNOSTICS AND THERAPEUTICS
FILE REFERENCE: 107196.136
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 Score 32; DB 2; Length 570;
Pred. No. 1.6e+03;
4; Mismatches 2; Indels
 Length 570;
 GENERAL INFORMATION:
APPLICANT: Lambeth, J. David
APPLICANT: Griendling, Rathy
APPLICANT: Griendling, Rathy
APPLICANT: Lassegue, Bernard
APPLICANT: Lassegue, Rebecca S.
APPLICANT: Cheng, Guangjie,
ITITLE OF INVENTION: No. 6620603e1 Mitogenic Regulators
FILE REFERENCE: 05501-0103
CURRENT PILING DATE: 1999-11-10
NUMBER OF SEQ ID NOS: 61
 51.6%; Score 32; DB 2; Length 570
40.0%; Pred. No. 1.6e+03;
. wirmatches 2; Indels
 Sequence 2, Application US/10418036
| Sequence 2, Application US/10418036
| Patent No. 6893833
| GENERAL INFORMATION:
| APPLICANT: Wiststrom: Per APPLICANT: Wiststrom: Per | TILE REFERENCE: 13425-110001
| CURRENT APPLICATION NUMBER: US/10/418,036 | CURRENT FILING DATE: 2003-04-17 | PRIOR APPLICATION NUMBER: SE 020152-6 | PRIOR FILING DATE: 2002-04-17 | PRIOR PELICATION NUMBER: US 60/410,626 | PRIOR FILING DATE: 2002-09-13 | NUMBER OF SEQ ID NOS: 27 | SOFTWARE: FastSEQ for Windows Version 4.0 | SEQ ID NO 2 | LENGTH: 570 | TYPE: PRIOR P
 CURRENT APPLICATION NUMBER: US/09/252,991A
RESULT 92
US-09-437-568A-38
'Sequence 38, Application US/09437568A
'Patent No. 6620603
 51.6%;
 Patentin Ver. 2.0
 Query Match
Best Local Similarity 40.v
 Query Match
Best Local Similarity 40.0
Matches 4; Conservative
 | :::: |||
64 CMLILLPVCR 73
 3 CRIVVIRVCR 12
 64 CMLILLPVCR 73
 3 CRIVVIRVCR 12
 , ORGANISM: Homo sapiens
US-10-418-036-2
 ORGANISM: murine
 US-09-252-991A-25700
 JS-09-437-568A-38
 SOFTWARE: Pat
SEQ ID NO 38
LENGTH: 570
TYPE: PRT
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US-09-693-146-4
Sequence 4, Application US/09693146
Sequence 4, Application US/09693146
Sequence 4, Application US/09693146
GENERAL NO. 6413758
GENERAL INCRMATION:
APPLICANT: Xiao, Jian-pling
APPLICANT: Xiao, Jian-pling
APPLICANT: Xiao, Jian-pling
TITLE OF INVENTION: Method For Cloning And Expression Of BpmI Restriction
TITLE OF INVENTION: Endonuclease In E. coli
FILE REFERENCE: NEB-183
CURRENT APPLICATION NUMBER: US/09/693,146
CURRENT APPLICATION DATE: 2.00-10-20
NUMBER OF SEQ ID NOS: 18
SOFTWARE: PatentIn Ver. 2.0
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0
 Score 32; DB 2; Length 1009;
Pred. No. 2.7e+03;
2; Mismatches 2; Indels
Length 710;
 3; Indels
 Sequence 16, Application US/09082420

Patent No. 6172185
GENERAL INFORMATION:
APPLICANT: HANCOK, ROBERT E. W.
APPLICANT: HANCOK, ROBERT E. W.
TITLE OF INVENTION: ANTIMICROBIAL CATIONIC PEPTIDE
TITLE OF INVENTION: DERIVATIVES OF BACTENECIN
FILE REFERENCE: 07422/017001
CURRENT APPLICATION UNDERS: US/09/082,420
CURRENT FILING DATE: 1998-05-20
NUMBER OF SEQ ID NOS: 20
SOUTHARE: FastSEQ for Windows Version 4.0
SEQ ID NO 16
LENGTH: 14
 FEATURE: OTHER INFORMATION: cationic antimicrobial peptide
Score 32; DB 2;
Pred. No. 2e+03;
 3; Mismatches
 2; Mismatches
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1;

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50.8%;
 50.0%;
 NAME/KEY: Modified-site
 Query Match 50.8
Best Local Similarity 58.3
Matches 7; Conservative
 LENGTH: 16 amino acids
 1 RLCRIVV-IRVC 11
 3 RMCRFVTWINVC 14
 TYPE: amino acid
STRANDEDNESS: unknown
 MOLECULE TYPE: peptide
 PRIOR APPLICATION DATA: APPLICATION NUMBER:
 COMPUTER READABLE FORM:
 TYPE: PRT
ORGANISM: Homo sapiens
 TOPOLOGY: circular
 New York
: USA
 Query Match
Best Local Similarity
 ; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: -46..-1
US-09-471-276-1013
 10036
 COUNTRY:
 RESULT 99
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 g
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 Sequence 4573, Application US/09513999C

Sequence 4573, Application US/09513999C

Patent No. 6783961

GENERAL INFORMATION:

APPLICANT: Dunas Milne Edwards, J.B.

APPLICANT: Dunas Milne Edwards, J.B.

TITLE OF INVENTION: Expressed Sequence Tags and Encoded Human Proteins.

FILE REFERENCE: 59.US2.REG

CURRENT APPLICATION NUMBER: US/09/513,999C

CURRENT FILING DATE: 12090-02-24

PRIOR PILING DATE: 1999-02-26

NUMBER OF SEQ ID NOS: 36681

SEQ ID NO 4573

LENGTH: 56
 Sequence 1013, Application US/09471276

Patent No. 6822072

GENERAL INFORMATION:

APPLICANT: Dunmas Milne Edwards, J.B.

APPLICANT: Dunmas Milne

Patent No. 6822072

FILE REFERENCE: GENSET.025CP1

CURRENT APPLICATION NUMBER: US/09/471, 276

CURRENT PLING DATE: 1999-12-21

EARLIER PILING DATE: 1998-04-09

EARLIER APPLICATION NUMBER: 09/069, 047

EARLIER PILING DATE: 1998-04-28

EARLIER PILING DATE: 1998-04-09

NUMBER OP SEQ ID NOS: 1622

NUMBER OF SEQ ID NOS: 1622
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 1;
 Length 14;
 Length 56;
 3; Indels
 3; Indels
 Query Match 50.8%; Score 31.5; DB 2; Best Local Similarity 69.2%; Pred. No. 68; Matches 9; Conservative 0; Mismatches 3;
 50.8%; Score 31.5; DB 2;
58.3%; Pred. No. 2.4e+02;
tive 1; Mismatches 3;
; LOCATION: (0)...(0); OTHER INFORMATION: amidated Arg at C-terminus US-09-082-420-16
 FEATURE:
NAME/KEY: SIGNAL
LOCATION: -46...1
OTHER INFORMATION: SCORE 6.5
USTHER INFORMATION: SEQ WLFFLALSLCTPP/DR
US-09-513-999C-4573
 1 RLCRIV-VIRVCR 12
 1 RRCPIVWVIPVCR 13
 Query Match 50.8
Best Local Similarity 58.3
Matches 7; Conservative
 3 RMCRFVTWINVC 14
 1 RLCRIVV-IRVC 11
 TYPE: PRT
ORGANISM: Homo sapiens
 SOFTWARE: Patent.pm
SEQ ID NO 1013
 US-09-513-999C-4573
 US-09-471-276-1013
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Gaps
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Score 31.5; DB 2; Length 57;
Pred. No. 2.4e+02;
1; Mismatches 3; Indels
 Score 31; DB 1; Length 16;
Pred. No. 92;
 US-08-685-589A-141

| Sequence 141, Application US/08685589A |
| Sequence 141, Application US/08685589A |
| Sequence 141, Application US/08685589A |
| Septent No. S916872 |
| GENERAL INFORMATION: APPLICANT: Gu, Leo APPLICANT: OHen, Jie TITLE OF INVENTION: CYCLIC PEPTIDES HAVING BROAD |
| TITLE OF INVENTION: SPECTRUM ANTIMICROBIAL ACTIVITY |
| NUMBER OF SEQUENCES: 222 |
| CORRESPONDENCE ADDRESS: ADDRESS: ADDRESSEE: Pennie & Edmonds LLP
 SOFTWARE: Patentin Release #1.0, Version #1.30 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/685,589A FILING DATE: 24-JUL-1996 CLASSIPICATION: 530
 ; LOCATION: 7
; OTHER INFORMATION: /product= "Xaa=D-Arginine"
US-08-685-589A-141
 ATTORNEY AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE TOOKKET NUMBER: 8067-026-999
TELECOMMUNICATION INFORMATION:
TELEPAN: 212-790-9090
TELEFAX: 6141
INFORMATION FOR SEQ ID NO: 141:
SEQUENCE CHARACTERISTICS:
 NAME/KEY: Peptide
LOCATION: 1..16
OTHER INFORMATION: /product= "Cyclic"
 ADDRESSEE: Pennie & Edmonds LLP
STREET: 1155 Avenue of the Americas
CITY: New York
 MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
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0; Gaps
 Query Match
Best Local Similarity 50.0%; Pred. No. 2.7e+02;
Matches 5; Conservative 2; Mismatches 3; Indels
5; Indels
 RESULT 100
US-09-621-976-5254
; Sequence 5254, Application US/09621976
; Patent NO. 653963
; GENERAL INFORMATION:
; APPLICANT: Dumas Milne Edwards, J.B.
; APPLICANT: Glordano, J.Y.
; TITLE OP INVENTION: ESTS and Encoded Human Proteins.
; TITLE OP INVENTION: ESTS and Encoded Human Proteins.
; TITLE OP INVENTION: ESTS and Encoded Human Proteins.
; CURRENT FILING DATE: 2000-07-21
; CURRENT FILING DATE: 2000-07-21
; NUMBER OF SEQ ID NOS: 19335
; SOFTWARE: PATENTE.
; SEQ ID NO 5254
; LENGTH: 52
; TYPE: PRT
; ORGANISM: Homo sapiens
; FATURE:
; NAME/KEY: SIGNAL
; LOCATION: -20..-1
US-09-621-976-5254
1; Mismatches
5; Conservative
 Matches
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0; Gaps

Search completed: February 15, 2006, 11:11:49 Job time : 48 secs

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